ATTACHMENT A

STRATIGRAPHIC AND INSTRUMENTATION LOGS

ATTACHMENT A.1

PHASE 1A SOIL BORING STRATIGRAPHIC LOGS



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH01-13

DEPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH	BOREHOLE			SAM	PLE	
ft BGS		ft BGS	55,75,152	NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	ASPHALT	1.00						0.0
-2	SW-SAND (FILL), trace gravel/cobble, medium sand, well graded, dark gray, low moisture - 0.2' cobble layer at 2.4ft BGS	2.60		1GP		3.0		0.0
-4	ML-SILT (FILL), trace gravel fragments, fine sand, low plasticity, gray, low moisture		■ BACKFILLED					0.0
-6			WITH BENTONITE CHIPS					0.0
-8	SW-SAND (native), gravel/cobbles fragments, medium sand, well graded, tan, low moisture	6.60	CHIPS	2GP		3.5		0.0
-10								0.0
- 12								0.0
- 12 - 14	- 0.25' cobble layer, light gray at 13.7ft BGS			3GP		4.0		0.0
								0.0
-16				4GP		3.0		0.0
-18								0.0
-20	- Wet at 21.5ft BGS							0.0
-22				5GP		3.4		0.0
-24								0.0
-26								
-28				6GP				
-30	END OF BOREHOLE @ 30.0ft BGS	30.00				-		
-32	Temporary well screened from 22.5 to 26.5ft BGS. Screen removed and backfilled on June 17, 2013.							
- 34	Depth: 21.5-23.5 ft BGS Sudan IV test results:negative							
-36	PID Headspace (ppm): 0							
-38								
N	MEASURING POINT ELEVATIONS MAY CHANGE;	REFER TO	CURRENT ELEVATION TABLE		•	•		
	WATER FOUND ♀							



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH02-13

EPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH	BOREHOLE			SAM		
BGS		ft BGS		NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
2	ASPHALT SM-SAND/SILT (FILL), some fine gravel, compact, fine sand, some coarse sand ML-SILT (FILL), compact, gray, moist	0.25 1.00		1GP		2.7		99.1 85.0
3	SM-SAND/SILT (FILL), trace fine gravel, fine to medium sand, compact, well graded, dark brown, dry SW/GW-SAND AND GRAVEL (FILL), loose, fine, medium and coarse sand, fine gravel, well graded, tan/brown, dry	7.00	BACKFILLEE WITH BENTONITE CHIPS	2GP		3.5		67.2 46 76
2				3GP		4.1		32.8 47.8
16	් දිරි ව දිරි ව ව ව ව ව ව ව ව ව ව ව ව ව ව ව ව ව ව			4GP		4.0		26.4 4.6 52.7
22 24	SW-SAND (native), medium to coarse sand, little fine sand, loose, well graded, tan/brown, wet	21.00	V	5GP		4.0		9.4 1.6
26	END OF BOREHOLE @ 26.0ft BGS	26.00		6G₽				0.0
28	Temporary well screened from 21.5 to 25.5ft BGS. Screen removed and backfilled on June 14, 2013.							
32	Depth: 20.5-22.5ft BGS Sudan IV test results:negative PID Headspace (ppm): 9.4							
34								
38								
	NOTES: MEASURING POINT ELEVATIONS MAY CHANGE;	REFER TO C	URRENT ELEVATION TABLE					



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH03-13

ASPHALT SW-SAND (FilLL), gravel/cobble fragments, brick fragments, medium sand, well graded, brown, low moisture ML-SILT (FilLL), trace gravel, fine grained MM-SILT (FilLL), trace gravel, fine grained SW-SAND (FilLL), gravel/cobble fragments, medium sand, well graded, tan/brown, low moisture SP-SAND (FilLL), medium sand, poorly graded, brown sand, well graded, tan/brown, low moisture SP-SAND (FilLL), medium sand, poorly graded, brown sand, well graded, brown sand, well graded, brown sand, well graded, brown sand, low moisture - 0.25 cobble layer at 16.5ft BGS - orange sand, 0.5' thick at 27.0ft BGS CL-CLAY (fill), fine grained, medium plasticity, dark gray, low moisture SW-SAND (native), gravel/cobble fragments, medium sand, voluments, medium sand, well graded, brown sand, sand, well graded, brown sand, sand, well graded, brown sand, sa	DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE	~			PLE Ш	-
SW-SAND (FILL), gravel/cobble fragments, medium sand, well graded, brown, few moisture 100					NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
2 brown, low moisture 6		ASPHALT	1.00						0.0
6 MIL-SILT (FILL), trace gravel, fine grained		brick fragments, medium sand, well graded,	1.00	- BACKEILLED	1GP		3.0		0.0
ML-SILT (FILL), trace gravel, fine grained SW-SAND (FILL), gravel/cobble fragments, modium sand, well graded, tan/brown, low moisture 10 SP-SAND (FILL), gravel/cobble fragments, modium sand, poorly graded, brown SW-SAND (native), gravel/cobble fragments, modium sand, well graded, brown/tan, low moisture 11 00 SP-SAND (FILL), medium sand, poorly graded, brown sw-sand, well graded, brown/tan, low moisture 11 00 SP-SAND (native), gravel/cobble fragments, modium sand, well graded, brown/tan, low moisture 12 -0.25' cobble layer at 16.5ft BGS 43P 4.0 00 00 00 00 00 00 00 00 00	6			WITH					0.0
10					2GP		2.8		0.0
SP-SAND (FILL), medium sand, poorly graded, brown SW-SAND (native), gravel/cobble fragments, medium sand, well graded, brown/tan, low SW-SAND (native), gravel/cobble fragments, medium sand, well graded, brown/tan, low 11.00 11.50 SP-SAND (fillL), medium sand, poorly graded, brown/tan, low 11.00 11.50 33.4 34.0 35.0 37.0 38.0 39.0 30.0		medium sand, well graded, tan/brown, low							0.0
12 brown SW-SAND (native), gravel/cobble fragments, medium sand, well graded, brown/tan, low moisture 14	10	SP-SAND (FILL), medium sand, poorly graded,							0.0
16		SW-SAND (native), gravel/cobble fragments, medium sand, well graded, brown/tan, low			3GP		3.4		0.0
- 0.25' cobble layer at 16.5ft BGS 18 20 21 22 - Wet, high moisture below at 21.8ft BGS 23 - orange sand, 0.5' thick at 27.0ft BGS 24 26 - orange sand, 0.5' thick at 27.0ft BGS 27 28 29 CL-CLAY (till), fine grained, medium plasticity, dark gray, low moisture 30 SW-SAND (native), gravel/cobble fragments, medium sand, well graded, brown/tan, low moisture 34 36 SW-SAND (native), gravel/cobble fragments, medium sand, well graded, brown/tan, low moisture	17	moisture							0.0
22 - Wet, high moisture below at 21.8ft BGS 24 - orange sand, 0.5' thick at 27.0ft BGS 28 - orange sand, 0.5' thick at 27.0ft BGS 28 - orange sand, 0.5' thick at 27.0ft BGS 29 - 2.3 - 00 30 - 00 32 - 00 32 - 00 32 - 00 33 - 00 34 - 00 35 - 00 36 - 00 37 - 00 37 - 00 38 - 00 39 - 00 30 - 00	16	- 0.25' cobble layer at 16.5ft BGS			4CD		4.0		0.0
22 - Wet, high moisture below at 21.8ft BGS 24 - orange sand, 0.5' thick at 27.0ft BGS 25 - orange sand, 0.5' thick at 27.0ft BGS 26 - orange sand, 0.5' thick at 27.0ft BGS 27 - Orange sand, 0.5' thick at 27.0ft BGS 30 - Orange sand, 0.5' thick at 27.0ft BGS 31 - Orange sand, 0.5' thick at 27.0ft BGS 32 - Orange sand, 0.5' thick at 27.0ft BGS 33 - Orange sand, 0.5' thick at 27.0ft BGS 34 - Orange sand, 0.5' thick at 27.0ft BGS 34 - Orange sand, 0.5' thick at 27.0ft BGS 34 - Orange sand, 0.5' thick at 27.0ft BGS 35 - Orange sand, 0.5' thick at 27.0ft BGS 36 - Orange sand, 0.5' thick at 27.0ft BGS 37 - Orange sand, 0.5' thick at 27.0ft BGS 38 - Orange sand, 0.5' thick at 27.0ft BGS 39 - Orange sand, 0.5' thick at 27.0ft BGS 30 - Orange sand, 0.5' thick at 27.0ft BGS 30 - Orange sand, 0.5' thick at 27.0ft BGS 31 - Orange sand, 0.5' thick at 27.0ft BGS 32 - Orange sand, 0.5' thick at 27.0ft BGS 34 - Orange sand, 0.5' thick at 27.0ft BGS 30 - Orange sand, 0.5' thick at 27.0ft BGS 31 - Orange sand, 0.5' thick at 27.0ft BGS 32 - Orange sand, 0.5' thick at 27.0ft BGS 33 - Orange sand, 0.5' thick at 27.0ft BGS 34 - Orange sand, 0.5' thick at 27.0ft BGS 34 - Orange sand, 0.5' thick at 27.0ft BGS 37 - Orange sand, 0.5' thick at 27.0ft BGS 38 - Orange sand, 0.5' thick at 27.0ft BGS 39 - Orange sand, 0.5' thick at 27.0ft BGS 30 - Orange sand, 0.5' thick at 27.0ft BGS 30 - Orange sand, 0.5' thick at 27.0ft BGS 31 - Orange sand, 0.5' thick at 27.0ft BGS 31 - Orange sand, 0.5' thick at 27.0ft BGS 32 - Orange sand, 0.5' thick at 27.0ft BGS 30 - Orange sand, 0.5' thick at 27.0ft BGS 31 - Orange sand, 0.5' thick at 27.0ft BGS 32 - Orange sand, 0.5' thick at 27.0ft BGS 32 - Orange sand, 0.5' thick at 27.0ft BGS 32 - Orange sand, 0.5' thick at 27.0ft BGS 33 - Orange sand, 0.5' thick at 27.0ft BGS 34 - Orange sand, 0.5' thick at 27.0ft BGS	18				40-		1.0		0.0
24 26 27 28 30 30 32 32 32 32 32 34 36 SW-SAND (native), gravel/cobble fragments, medium sand, well graded, brown/tan, low moisture 36 37 38 38 39 30 30 30 30 30 30 30 30 30 30 30 30 30	20						-		0.0
- orange sand, 0.5' thick at 27.0ft BGS 28 30 32 CL-CLAY (till), fine grained, medium plasticity, dark gray, low moisture SW-SAND (native), gravel/cobble fragments, medium sand, well graded, brown/tan, low moisture 34 SW-SAND (native), gravel/cobble fragments, medium sand, well graded, brown/tan, low moisture	22	- Wet, high moisture below at 21.8ft BGS			5GP		2.3		0.0
- orange sand, 0.5' thick at 27.0ft BGS - orange sand, 0.5' thick at 27.0ft B	24								0.0
28 30 32 CL-CLAY (till), fine grained, medium plasticity, dark gray, low moisture SW-SAND (native), gravel/cobble fragments, medium sand, well graded, brown/tan, low moisture 34.40 36.	26	- orange sand, 0.5' thick at 27.0ft BGS							0.0
32 CL-CLAY (till), fine grained, medium plasticity, dark gray, low moisture 34 SW-SAND (native), gravel/cobble fragments, medium sand, well graded, brown/tan, low moisture 36 moisture 32.40 34.40	28				6GP		2.3		0.0
32 CL-CLAY (till), fine grained, medium plasticity, dark gray, low moisture 34 SW-SAND (native), gravel/cobble fragments, medium sand, well graded, brown/tan, low moisture 36 moisture 32.40 34.40	30								0.0
34 dark gray, low moisture SW-SAND (native), gravel/cobble fragments, medium sand, well graded, brown/tan, low moisture	32	CL-CLAY (till), fine grained, medium plasticity.	32.40		7GP		5.0		0.0
medium sand, well graded, brown/tan, low moisture	34	dark gray, low moisture	34.40						
	36	medium sand, well graded, brown/tan, low							0.0
38 8 ^{SP} 3.7	38	 			8GP		3.7		0.0



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH03-13

EPTH BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE			SAMI		
IBGS		II BGS		NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
40	- black layer, chemical odor from 40.7 to 42.1ft							0.0
42	BGS			9GP		2.9		637
14	o o o					_		0.0
16 18	- 1.33' black layer at 47.0ft BGS			10GP		3.4		0.0
50								0.0
52	, , , ,			11GP		2.9		0.0
54	• • •							0.0
56	CL-CLAY (till), high density, fine grained, high	57.00		4000		3.0		0.0
58	plasticity, gray, medium moisture SW-SAND (native), gravel/cobble fragments,	58.00		12GP		3.0		0.0
50	moisture END OF BOREHOLE @ 60.0ft BGS	60.00	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\					
64	Temporary well screened from 22.75 to 26.75ft BGS. Screen removed and backfilled on June 14, 2013.							
66	Depth: 21.75-23.75ft BGS Sudan IV test results:negative PID Headspace (ppm): 0							
68	Depth: 30.4-32.4ft BGS Sudan IV test results:negative							
70	PID Headspace (ppm): 0 Depth: 34.4-35ft BGS							
72	Sudan IV test results:negative PID Headspace (ppm): 0							
74	Depth: 40.66-42.66ft BGS Sudan IV test results: positive PID Headspace (ppm): 637							
76								
<u> </u>	NOTES: MEASURING POINT ELEVATIONS MAY CHANGI WATER FOUND $\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	E; REFER TO (URRENT ELEVATION TABL	E	1			



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH04-13

DEPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH	BOREHOLE			SAMI	PLE ,	
ft BGS		ft BGS	BONENGE	NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
2	ASPHALT SW-SAND (FILL), loose, fine to medium sand, well graded, dark brown, dry SM-SAND/SILT (FILL), compact, fine to medium sand, dark brown, dry SW-SAND (FILL), loose, fine to medium sand,	0.25 1.30 1.60 2.30 2.70		1GP		4.0		0.4
3	well graded, dark brown, dry SM-SAND/SILT (FILL), compact, fine to medium sand, dark brown, dry SW-SAND (FILL), loose, fine to medium sand, well graded, dark gray/black, dry - orange/red clay dust at 4.0ft BGS		BACKFILLED WITH BENTONITE CHIPS	2GP		3.6		0.0
12	SM-SAND/SILT (FILL), compact, fine to medium sand, dark brown, dry	11.00		3GP		3.5		6.2 76.6
4 6 8	- 2" thick medium to coarse sand seam, with fine gravel, loose at 14.0ft BGS SW-SAND (native), little fine gravel, fine, medium and coarse sand, loose, well graded, tan/brown, dry	15.20		4GP		4.0		3.8 0.2
20	- Wet at 20.3ft BGS		abla	5GP		-		0.2 0.0 0.0
24 26 28 30 32	END OF BOREHOLE @ 25.0ft BGS Temporary well screened from 21.3 to 25.3ft BGS. Screen removed and backfilled on June 14, 2013. Depth: 20.3-22.3ft BGS Sudan IV test results:negative PID Headspace (ppm): 0	25.00						
36	NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; R							



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH05-13

EPTH t BGS	STRATIGRAPHIC DESCRIPTION & REMARKS		DEPTH ft BGS	BORE	HOLE			SAMI		
200			500			NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
2	SW-SILTY SAND (FILL), slightly compact, fine, medium and coarse sand, well graded, black-brown, dry - cobble fragments at 1.0ft BGS - red clay brick dust (slag-like material) at 3.0ft BGS				— BACKFILLED	1GP		4.0		0.0
3	- nail at 5.5ft BGS - 1.5" silt lens, with sand at 6.8ft BGS - 2" slag-like material at 7.0ft BGS				WITH BENTONITE CHIPS	2GP		3.5		0.0
12	SM-CLAYEY SILT/SAND (FILL), trace fine gravel, compact, fine sand, dark brown, dry - fine to medium sand at 11.2ft BGS		11.00			3GP		1.5		11.9
16	SW-SILTY SAND (FILL), fine, medium and coarse sand, well graded, loose, black/brown, dry		15.00			4GP		2.0		0.0
22	- wet at 20.0ft BGS SW-SAND (native), little to some silt, trace fine gravel, medium to coarse sand, fine sand, well graded, loose, brown, dry to wet		21.00	Ų.		5GP		2.5		0.0
24 NO	OTES: MEASURING POINT ELEVATIONS MAY CHA	NGE: PF	FER TO C	URENT ELEVA	TION TARI F					



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH05-13

EPTH t BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE			SAME		
1800		11 200		NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
26								
28				6GP		2.8		0.0
32 —	CL-SILTY CLAY, trace coarse sand, cohesive, low plasticity, gray, dry	32.00		7GP		4.0		0.5
34	iow plasticity, gray, dry							
36				8GP		5.0		0.0
40	SP-SAND (native), loose, fine to medium sand, poorly graded - increase in fine gravel content at 40.5ft BGS	39.20						
42				9GP		4.0		0.0
14 16								
48				10GP		3.7		0.7



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH05-13

EPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH	BOREHOLE		1	SAME		
t BGS		ft BGS		NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
52	- fine to medium sand from 51.5 to 53.0ft BGS - solvent odor from 52.0 to 60.0ft BGS - medium to coarse sand, with fine gravel at 53.0ft BGS			11GP		3.7		27
56	- dark gray staining from 55.5 to 57.0ft BGS			12GP		3.7		833 407
60 —	END OF BOREHOLE @ 60.0ft BGS	60.00				-		123
62	Temporary well screened from 21.0 to 25.0ft BGS. Screen removed and backfilled on June 14, 2013. Depth: 20-22ft BGS Sudan IV test results:negative							
64	PID Headspace (ppm): 0 Depth: 31-32ft BGS Sudan IV test results:negative PID Headspace (ppm): 0.5 Depth: 39.2-40ft BGS							
68	Sudan IV test results:negative PID Headspace (ppm): 0 Depth: 53-55ft BGS Sudan IV test results:positive PID Headspace (ppm): 833							
70	Depth: 55-57ft BGS Sudan IV test results:negative PID Headspace (ppm): 407							
74								



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH06-13

DEPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH	BOREHOLE		1	SAM	PLE	
ft BGS		ft BGS	33.(332	NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
2	SW-SAND (FILL), fine grained gravel, fine, medium and coarse sand, loose, well graded, brown, dry	1.00						0.0
4	ML-SILT (FILL), cohesive, brown, dry - sand, fine gravel and red clay at 2.5ft BGS - gray at 3.0ft BGS			1GP		4.5		0.0
6			BACKFILLED WITH BENTONITE CHIPS					0.0
8			CHIPS	2GP		4.3		0.0
10	SW-SILTY SAND (FILL), trace clay, fine, medium and coarse sand, loose, well graded, dark brown/black, dry	9.00				-		0.0
12	dark blown/black, dry			3GP		2.0		0.0
14								0.0
16	- brown/tan at 16.5ft BGS							0.0
18				4GP		2.0		0.0
20	- pieces of granite fragments at 20.0ft BGS - Wet at 21.0ft BGS		V W					0.0
22				5G₽		2.2		0.0
24								0.0
26	END OF BOREHOLE @ 26.0ft BGS	26.00						
28	Temporary well screened from 22.0 to 26.0ft BGS. Screen removed and backfilled on June 13, 2013.							
30	Depth:21-23ft BGS Sudan IV test results:negative							
32	PID Headspace (ppm): 0							
34								
36								
	NOTES: MEASURING POINT ELEVATIONS MAY CHANGE;	REFER TO C	CURRENT ELEVATION TABLE					



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH07-13

EPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH	BOREHOLE			SAME	PLE	
BGS	OTIVITION THE DESCRIPTION OF A REMARKS	ft BGS	BONEHOLE	NUMBER	NTERVAL	REC (ff)	N' VALUE	PID (ppm)
2	SW/GW-SAND & GRAVEL (FILL), loose, well graded, medium coarse sand, fine gravel, dark gray, dry			1GP		4.0		0.0
4	SP-SAND (FILL), loose, fine grained, poorly graded, wet, gray, fly ash-like material	3.50	DAOVE LA					0.0
5	SW-SAND (FILL), loose, fine to medium to coarse sand, well graded, brown/tan, dry	5.00	BACKFILLED WITH BENTONITE CHIPS					0.0
3				2GP		1.5		0.0
10	CL-CLAY (FILL), silt, trace coarse sand, fine	9.50						0.0
12	gravel, cohesive, dark brown, dry - orange crush brick fragments at 10.0ft BGS SW/GW-SAND & GRAVEL (native), loose, fine	11.00						0.0
14	to medium to coarse sand, fine gravel, well graded, brown, dry			3GP		3.0		0.0
16		, , , , , , , , , , , , , , , , , , ,				-		0.0
				4GP		3.0		0.0
18	- coarse gravel fragments at 18.5ft BGS	°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°						0.0
20	- Wet at 21.0ft BGS	````` 	V Section 1					0.0
22				5GP		4.2		0.0
24	SW-SAND (native), loose, medium to coarse sand, well graded, wet	24.00						0.0
26	END OF BOREHOLE @ 26.0ft BGS	26.00				_		
28	Temporary well screened from 22.0 to 26.0ft BGS. Screen removed and backfilled on June 12, 2013.							
30	Depth: 3.5-5ft BGS							
32	Sudan IV test results:negative PID Headspace (ppm): 0							
34	Depth: 21-23ft BGS Sudan IV test results:negative PID Headspace (ppm): 0							
36								
38								



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH08-13

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS		DEPTH ft BGS	BOREHOLE			SAMI		_
1000			11 000		NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
2	SW-SAND, little silt, slightly compact, fine to medium coarse sand, well graded, brown, dry	****	2.00						0.0
	CL-CLAY, trace coarse sand and fine gravel, cohesive, low plasticity		2.00		1GP		3.7		0.0
4	- cobble fragment at 4.2ft BGS SW-SAND, little fine gravel, loose, medium coarse sand, well graded, dark		4.30	BACKFILLEI WITH					
5	gray/black/brown - orange staining 3/4" thick at 7.0ft BGS			BENTONITE CHIPS	2GP		2.4		0.0
3			2.00						0.0
10	CL-CLAY, little to some coarse sand/fine gravel, cohesive, low plasticity, dark brown, SW/GW-SAND/GRAVEL, loose, cohesive,		9.80				-		0.0
12	medium sand, fine gravel, well graded, brown/tan, dry				3GP		3.0		0.0
14	- cobble fragments at 14.5ft BGS								0.0
16					4GP		3.2		0.0
18					401		0.2		0.0
20	- Wet at 21.5ft BGS								0.0
22	- Wet at 21.5it BGS				5GP		3.1		0.0
24									0.0
26									0.0
28					6GP		2.7		0.0
30							_		
32					7GP		3.5		0.0
34	CL-CLAY, trace coarse sand, stiff, firm, low plasticity, gray, dry		34.00				-	N	
36					8GP		4.2		0.0
38									



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH08-13

DEPTH	STRATIGRAPHIC DESCRIPTION & REMARKS		DEPTH	BOREHOLE			SAM		
t BGS			ft BGS		NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
40 42							_		
14			45.00		9GP		4.0		0.0
46 48	SW-SAND, loose, fine to medium sand, well graded,brown, wet		45.00		10GP		3.5		0.0
50	- increase to some coarse sand at 49.5ft BGS						-		
52 54					11GP		3.5		0.0
56							_		
58					12GP		3.5		0.0
60 -	END OF BOREHOLE @ 60.0ft BGS	0 0 0	60.00				1		
52	Temporary well screened from 22.5 to 26.5ft BGS. Screen removed and backfilled June 13, 2013.								
64	Depth: 21.5-23.5ft BGS Sudan IV test results:negative								
66	PID Headspace (ppm): 0								
68	Depth: 34ft BGS Sudan IV test results:negative PID Headspace (ppm): 0								
70	Depth: 45-47ft BGS Sudan IV test results:negative								
72	PID Headspace (ppm): 0								
74									
76									



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP

LOCATION: MORAINE, OH

HOLE DESIGNATION: BH09-13

DATE COMPLETED: June 10, 2013 DRILLING METHOD: GEOPROBE

FIELD PERSONNEL: J. CLOSE/ J. TEEPEN

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE			SAMI		
		11 503		NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
2	SW/ML-SAND AND SILT (FILL), trace fine gravel, compact, medium to coarse sand, gray to dark gray, dry - 2" fine sand, loose, gray at 2.5ft BGS - cohesive, increase in clay content at 4.0ft BGS			1GP		4.0		11. 45.
8	- cobble at 8.5ft BGS - 1/2" black sand seam at 9.3ft BGS	9.50	BACKFILLED WITH BENTONITE CHIPS	2GP		2.0		32. 0
12	CL-SILTY CLAY (FILL), little to some medium sand, cohesive, dense, dark brown, dry GC-GRAVEL AND CLAY (native), trace medium to coarse sand, fine to coarse gravel, slightly consolidated, gray	10.20		3GP		3.0		0.0
14	- cobble fragments at 12.7ft BGS - cobble at 13.8ft BGS SW-SAND (native), trace fine gravel, loose, medium to coarse sand, tan/brown, dry	13.80				-		0.
18	- cobble fragments at 18.7ft BGS			4GP		3.5		0.
20	- cobble fragments at 19.1ft BGS - cobble fragments, with iron staining at 20.5ft BGS		V			-		0.
22	- granite fragment at 23.0ft BGS			5GP		2.5		0.0
26	- medium to coarse sand from 25.0 to 25.5ft BGS			6G₽		2.3		0.
30 -	END OF BOREHOLE @ 30.0ft BGS	30.00						0.0
32	Temporary well screened from 21.5 to 25.5ft BGS. Screen removed and backfilled on June 11, 2013.							
34	Depth: 20.5ft BGS Sudan IV test results:negative PID Headspace (ppm): 0							
38								
	NOTES: MEASURING POINT ELEVATIONS MAY CHANGE;	REFER TO (URRENT ELEVATION TABLE	I	I	1		



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP

LOCATION: MORAINE, OH

HOLE DESIGNATION: BH10-13

DATE COMPLETED: June 10, 2013 DRILLING METHOD: GEOPROBE

FIELD PERSONNEL: J. CLOSE/ J. TEEPEN

DEPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH	BOREHOLE			SAME	PLE	
ft BGS		ft BGS	55,73,152	NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
-2	SW-SAND (FILL), trace fine gravel, medium to coarse sand, loose, well graded, dark gray, dry brown/tan at 0.5ft BGS	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		1GP		3.5		0.0
-4	ML-SILT (FILL), cohesive, dark gray, dry	3.20	■ BACKFILLED			_		0.0
-6 -8			WITH BENTONITE CHIPS	2GP		1.8		0.0
- 10								0.0
- 12	SW/GW-SAND AND GRAVEL (native), loose, medium to coarse sand, fine gravel, dry	11.50		3G₽		3.0		0.0
- 14	nicularità codisc saria, inic graver, ary			337		3.0		0.0
- 16						-		0.0
-18	ጋል ፡ • • • • • • • •			4GP		3.0		0.0
20	. 6. 		¥ Walter			-		0.0
-22		O		5GP		3.0		0.0
-24						-		0.0
- 26	. 6. 			6GP		2.5		0.0
-28	COBBLE FRAGMENT, pieces of boulders	28.50				2.0		0.0
-30	END OF BOREHOLE @ 30.0ft BGS	30.00				-		
- 32	Temporary well screened from 21.5 to 25.5ft BGS. Screen removed and backfilled on June 11, 2013.							
-34	Depth: 18-20ft BGS Sudan IV test results:negative							
-36	PID Headspace (ppm): 0							
-38								



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP

LOCATION: MORAINE, OH

HOLE DESIGNATION: BH11-13

DATE COMPLETED: June 11, 2013 DRILLING METHOD: GEOPROBE

FIELD PERSONNEL: J. TEEPEN/ J. CLOSE

DEPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH	BOREHOLE			SAM		
ft BGS		ft BGS		NUMBER	INTERVAL	REC (ff)	'N' VALUE	PID (ppm)
-2 2	SW-SAND (FILL), trace fine gravel, loose, fine to medium to coarse sand, well-graded, brown, dry ML-SILT (FILL), compact, dark gray, dry SW-SAND (FILL), trace little fine gravel, loose, fine to medium to coarse sand, well graded,	1.50		1GP		3.5		16.8 19.5
-6 -6 8	brown, dry, - dark brown sand at 7.5ft BGS - orange colored sand - 1/2" at 8.2ft BGS	8.50	BACKFILLED WITH BENTONITE CHIPS	2GP		3.8		6.3 0.8
- 10 - 12	CL-CLAY, silty, trace medium sand, cohesive, poorly graded, dark brown, dry SW-SAND (native), trace little fine gravel, loose, fine to medium to coarse sand, well graded, brown, dry,	9.80				-		0.2
- - - - 14 - -				3GP		3.5		0.0
- 16 - - - - 18 -				4GP		3.5		0.5
-20 22	- water table at 20.5ft BGS		Į.	5GP		1.8		0.0
- 24 				6GP		2.7		3.4 6.4
-30 - -32 - -34 - -36	- cobble fragments at 29.0ft BGS END OF BOREHOLE @ 30.0ft BGS	30.00				-		9.7
-32	Temporary well screened from 21.5 to 25.5ft BGS. Screen removed and backfilled on June 17, 2013.							
-34	Depth: 20.5-21.5ft BGS Sudan IV test results:negative PID Headspace (ppm): 0							
-38								
<u>N</u>	NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; F WATER FOUND $\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	REFER TO C	L CURRENT ELEVATION TABLE	l				



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH12-13

EPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH	BOREHOLE			SAMI	PLE	
t BGS		ft BGS		NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	SW-SAND (FILL), little fine gravel, fine, medium and coarse sand, well graded, brown/tan, dry	1.80						0.0
2	SW-SAND (FILL), trace fine gravel, loose, fine to medium sand, little coarse sand, well graded, brown, dry	2.30		1GP		3.7		0.0
1	ML-SILT (FILL), trace fine sand and fine gravel, compact, tan/brown, dry	4.00 5.00	BACKFILLED WITH			-		0.0
3	ML-SILT (FILL), trace fine sand, compact, gray, dry - glass pieces at 5.0ft BGS	7.50	BENTONITE CHIPS	2GP		3.6		0.0
10	SP-SAND (FILL), fine grained, loose, poorly graded, dark gray, dry light gray at 5.5ft BGS	10.00						0.0
12	- 1/8" orange seam at 6.0ft BGS ML-SANDY SILT (FILL), trace fine gravel, cohesive, dense, dark brown, dry	10.00						0.0
14	SW-SAND (native), little to some fine gravel, fine, medium and coarse sand, well graded, brown, dry			3GP		3.7		0.0
16								0.0
18				4GP		3.1		0.0
20								0.0
22	- Wet at 20.5ft BGS		*					0.0
24				5GP		3.5		0.0
26	END OF BOREHOLE @ 26.0ft BGS	26.00						0.0
28	Temporary well screened from 21.5 to 25.5ft BGS. Screen removed and backfilled on June							
30	11, 2013. Depth: 20.5-22.5ft BGS							
32	Sudan IV test results:negative PID Headspace (ppm): 0							
34								
36								
38								



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH13-13

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE			SAMI		
11 000		11 000		NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (mnm)
2	SW-SAND (FILL), medium density, fine to medium sands with gravel, low plasticity, gray/light brown, low moisture - gray gravelly stones, 0.33' thick at 1.0ft BGS - some gray gravel stones at 2.3ft BGS ML-SILT (FILL), fine grained, dark gray,	2.66		1GP		3.0		0.0
6 8	stones/gravel throughout, low plasticity, brown, medium moisture	6.80	BACKFILLED WITH BENTONITE CHIPS	2GP		3.3		0.9
10 ·	SW-SAND (native), medium grained, large stones/gravel throughout, low plasticity, brown, medium moisture	10.00		3GP		3.0		0.0
16	- gray cobble, 0.25' think at 15.5ft BGS - medium grained, increasing gravel content at 15.8ft BGS			4GP		3.5		0.
18 20 22	- water table, wet below at 20.5ft BGS		V	5GP		2.3		0.
24 26 28	- cobble layer 0.25' think at 26.3ft BGS			5GP		2.3		0. 0.
30	END OF BOREHOLE @ 30.0ft BGS	30.00				_		0.
32	Temporary well screened from 21.5 to 25.5ft BGS. Screen removed and backfilled on June 17, 2013.							
34 36	Depth: 20.5-22.5ft BGS Sudan IV test results:negative PID Headspace (ppm): 0							
38	. 41. /							
l	NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; R WATER FOUND $\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	EFER TO (L CURRENT ELEVATION TABLE	<u> </u>	<u> </u>			



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH14-13

EPTH BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BORHOLE			SAM		
BGS		II BGS		NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	SW-SAND (FILL), trace to little fine gravel, fine, medium and coarse sand, loose, well graded, brown/tan, dry							0.0
2	- trace silt, trace fine gravel, fine to medium sand, trace coarse sand, dark gray at 1.5ft BGS			1GP		3.0		0.0
S			BACKFILLED WITH BENTONITE CHIPS			_		0.0
3	SM-SAND/SILT (FILL), fine grained sand,	8.00 8.40	CHIFS	2GP		2.8		0.0
0	compact, dark brown, dry - 1" sand seam, fine to medium grained at 8.3 ft BGS	9.50				_		0.0
2	CL-CLAY, silty/sand, cohesive dense, low plasticity, dark brown, dry SW/GW-SAND/GRAVEL (native), loose, fine medium coarse sand, fine gravel, well graded,			3GP		3.0		0.0
4	\tan/brown, dry SP-SAND (native), loose, fine grained sand, trace, fine gravel, brown, dry	15.00						0.0
6	SW-SAND (native), some fine gravel, loose, fine to coarse grained sand, well graded, brown, dry							0.0
8				4GP		3.0		0.0
0	SW/GW-SAND & GRAVEL (native), loose, medium to trace coarse sand, fine gravel, well graded, brown, wet	20.00	Ţ			-		0.0
2	- Water table at 20.5ft BGS			5GP		4.0		0.0
4						_		0.0
26	END OF BOREHOLE @ 26.0ft BGS Temporary well screened from 21.5 to 25.5ft	26.00	W. CALLED SELECT					
.8	BGS. Screen removed and backfilled on June 11, 2013.							
0	Depth: 20.5-22.5ft BGS Sudan IV test results:negative PID Headspace (ppm): 0							



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH15-13

t BGS	STRATIGRAPHIC DESCRIPTION & REMARKS		BOREHOLE					
		ft BGS		NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
F	TOPSOIL	0.25						0.0
2	SW-SAND (FILL),trace gravel and cobble fragments, medium sand, low plasticity, low moisture			1GP		4.5		0.0
1	ML-SILT (FILL), fine grained, dark gray, low moisture	4.00	■ BACKFILLED					0.0
5	SW-SAND (FILL), with trace gravel and cobble fragments, medium sand, low plasticity, low moisture		WITH BENTONITE CHIPS	2GP		3.0		0.0
3	- clay layer, medium plasticity, low moisture, 1' thick at 6.8ft BGS			20		0.0		0.0
10	SP-SAND (FILL), medium sand, tan, low moisture	10.00						0.0
12	SW-SAND (native), trace gravel and cobble fragments, low plasticity, low moisture			3GP		2.8		0.0
16	- cobble layer, 0.2' thick at 16.0ft BGS					-		0.0
18	- cobbie layer, 0.2 triick at 16.0it bg3	•		4GP		3.3		0.0
20								0.0
22	- Wet at 20.5ft BGS							0.0
24				5G₽		3.0		0.0
26		26.00						0.0
20	END OF BOREHOLE @ 26.0ft BGS	20.00						
28	Temporary well screened from 21.5 to 25.5ft BGS. Screen removed and backfilled on June 17, 2013.							
30	Depth: 20.5-22.5ft BGS Sudan IV test results:negative							
32	PID Headspace (ppm): 0							
34								
36								
38								



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH16-13

DEPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH	BOREHOLE			SAMI	PLE	
ft BGS	STRATISTALTITIS DESCRIPTION & REMARKS	ft BGS	BONEHOLL	NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
2 2 4	TOPSOIL/COBBLE SP-SAND (FILL), loose, fine sand, little medium sand, poorly graded, black, dry CL-CLAY (FILL), silty/sandy, trace fine gravel, cohesive, dark gray, dry - fine gravel at 4.2ft BGS SP-SAND (FILL), loose, fine sand, little medium sand, poorly graded, black, dry	2.00	■— BACKFILLED WITH	1GP		4.0		0.0
-6 - - - -8 - - - -	- silty sand, black, trace crushed red brick at 5.5ft BGS - cobble fragments at 6.1ft BGS SM-SANDY SILT (FILL), compact, fine to medium sand, dark brown, damp	8.50	BENTONITE CHIPS	2GP		3.9		0.0
10 12 14	SW-SAND (native), loose, fine to medium to coarse sand, some fine gravel, well graded, brown/tan, dry			3GP		3.0		0.0
- - - - 16 - - - - 18	SP-SAND (native), medium grained, loose, poorly graded, brown, dry SW-SAND (native), loose, fine to medium to coarse sand, some fine gravel, well graded, brown/tan, dry	15.00		4GP		3.0		0.2
- -20 - - -22 - - -24	- water table at 20.5ft BGS		□ □	5GP		3.0		0.0
26 28 30 32	END OF BOREHOLE @ 26.0ft BGS Temporary wells screened from 21.5 to 25.5ft BGS (S) and from 29.5 to 33.5ft BGS (D). (S) screen removed and backfilled on June 12, 2013, and (D) screen removed and backfilled on July 9, 2013 Depth: 20.5-22.5ft BGS Sudan IV test results:negative	26.00						0.0
- 34 - 36 - 38	PID Headspace (ppm): 0							
<u> </u>	NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; R WATER FOUND	EFER TO C	L CURRENT ELEVATION TABLE	<u> </u>	<u> </u>	I		



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH17-13

DEPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH	BOREHOLE		ı	SAM		
BGS		ft BGS		NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	TOPSOIL/COBBLES FRAGMENTS, gray	0.75						0.0
2	- fine grained, dark gray/black, 0.25' thick at 0.9ft BGS			1GP		4.6		0.0
1	SW-SAND (FILL), gravel/cobble fragments, medium grained, low plasticity, tan/light brown, low moisture	3.33 4.25						
3	- same dark layer as previously described, 0.25' thick at 1.3ft BGS		BACKFILLED WITH BENTONITE					4.0
	- same dark layer as previously described, 1.25' thick at 2.0ft BGS		CHIPS	2G₽		4.8		0.0
3	ML-SILTY CLAY (FILL), fine grained, medium plasticity, gray, medium to low moisture							0.0
10	SW-SAND (FILL), trace gravel/cobble fragments, medium sand, dark staining, no odor throught through 5-6'	9.80				-		0.0
12	SW-SAND (native), trace gravel/cobble fragments, medium sand, dark staining,			3GP		3.4		0.0
14	- fill sand, tan, medium grained, 0.9' thick at 10.5ft BGS			332		3.4		0.0
						-		0.0
16								0.0
18				4GP		3.5		0.0
20	- water table at 20.5ft BGS		∇			-		0.0
22	- cobble layer, 0.25' thick at 21.0ft BGS							0.0
				5GP		3.5		0.0
24								0.0
26	END OF BOREHOLE @ 26.0ft BGS	26.00						
28	Temporary wells screened from 21.5 to 25.5ft BGS (S) and from 29.5 to 33.5ft BGS (D). (S) screen removed and backfilled on June 17.							
30	2013, and (D) screen removed and backfilled on July 10, 2013.							
32	Depth: 20.5-22.5ft BGS Sudan IV test results:negative							
34	PID Headspace (ppm): 0							
36								
38								



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH18-13

EPTH BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE			SAM		
		11 11 11 11 11 11 11 11 11 11 11 11 11		NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	TOPSOIL/COBBLE - dark coloration, no odor, 0.3' thick at 0.8ft	0.50						0.0
2	BGS SW-SAND (FILL), trace gravel and cobbles, medium sand	2.00		1GP		3.8		0.0
4	- red brick fragments at 1.8ft BGS	3.50						
6	ML-SILT (FILL), fine grained, low plasticity, gray, low moisture - cobble layer, light gray, 0.15' thick at 2.6ft	*	BACKFILLED WITH BENTONITE CHIPS					0.0
3	SW-SAND (FILL), trace gravel and cobbles, medium sand	* 8.00	CHIFS	2GP		3.8		0.0
10	ML-SILT (FILL), fine grained, low plasticity, gray, low moisture							0.0
	SW-SAND (native), trace large gravel/cobble fragments medium sand	10.50						0.0
12	- rock layer, 0.15' thick at 10.5 ft BGS	。。 。 。 。 。		3GP		2.8		0.0
4								0.0
6								0.0
18				4GP		3.3		0.0
20	- Wet at 20.5ft BGS		¥					0.0
22		。。 。 。 。						
24				5GP		3.3		0.0
26		26.00						0.0
	END OF BOREHOLE @ 26.0ft BGS Temporary wells screened from 21.5 to 25.5ft							
28 30	BGS (S) and from 29.5 to 33.5ft BGS (D). (S) screen removed and backfilled on June 17, 2013 and (D) screen removed and backfilled							
	on July 9, 2013. Depth: 20.5-22.5ft BGS							
32	Sudan IV test results:negative PID Headspace (ppm): 0							
34								
36								
38								



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH19-13

EPTH BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE			SAMI		
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	TOPSOIL	0.50						0.0
2	ML-SILT (FILL), fine grained, low plasticity, dark gray, few orange stains, low moisture SW-SAND (FILL), trace gravel/cobble	2.25		1GP		4.5		0.0
4	fragments, medium sand, brown/tan, low moisture ML-SILT (FILL), fine grained, low plasticity,	3.00	■ BACKFILLED					0.0
6	dark gray, few orange stains, low moisture - silt becomes darker, black, 2' thick cobbles fragments throughout at 6.0ft BGS		WITH BENTONITE CHIPS					0.0
3	CL-CLAY (FILL), medium plasticity, brown, low moisture	8.00		2GP		4.4		0.0
10	SW-SAND (native), trace coarse gravel/cobble fragments, medium sand, brown/tan, low	10.25				-		0.0
12	moisture - cobble layer, 0.25' thick at 11.8ft BGS			3GP		3.5		0.0
14						-		0.0
18	0.0			4GP		3.2		0.0
20	- water at 18.3ft BGS	20.00	* 2000					0.0
22	SW-SAND (native), with fine gravel, medium sand, sub-angular gravel, brown, very moist							0.0
24				5GP		3.6		0.0
26		.						0.0
28				6GP		2.0		0.0
30						-		0.0
32				7GP		3.0		0.0
34								0.0
36								0.0
38								0.0



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH19-13

EPTH t BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE			SAM	_	
		565		NUMBER	INTERVAL	REC (ff)	'N' VALUE	PID (ppm)
40 42 44 46 48 50 52 54 56	- till section, very thin, 0.5' thick, lithology changed from sand/gravel to silt at 45.0ft BGS			NOTE THE PROPERTY OF THE PROPE	N N N N N N N N N N N N N N N N N N N	RE	\.N.	0.0 0.0 0.0 0.0
60 62 64 66 68 70 72 74	END OF BOREHOLE @ 60.0ft BGS Temporary well screened from 19.25 to 23.25ft BGS. Screen removed and backfilled on June 17, 2013. Depth: 20.5-22.5ft BGS Sudan IV test results:negative PID Headspace (ppm): 0	60.00						



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH20-13

DEPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH	BOREHOLE			SAMI	PLE	
ft BGS		ft BGS		NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	SW-SAND (FILL), medium to coarse sand, loose, well graded, tan/off-white, dry	1.00						0.0
2	SM-SILTY SAND (FILL), trace fine gravel, compact, fine to medium sand, little coarse sand, dark brown, dry			1GP		4.0		0.0
4			BACKFILLE			-		0.0
6	- 1" firm, coarse sand seam at 7.0ft BGS		WITH BENTONITE CHIPS	2GP		4.0		0.0
3	SW/GW-SAND AND GRAVEL (native), ಘ.	9.00						0.0
10	medium to coarse sand, fine gravel, loose, well graded, tan/brown, dry							0.0
12				3GP		3.5		0.0
16						-		0.0
18				4GP		3.5		0.0
	- off white cobble fragments and flour at 18.5ft BGS		₽					0.0
20								0.0
22	• • • • • • • • • • • • • • • • • • •			5GP		3.0		0.0
24	الم غربة END OF BOREHOLE @ 25.0ft BGS	25.00				-		0.0
26	Temporary well screened from 20.5 to 24.5ft							
28	BGS. Screen removed and backfilled on June 17, 2013.							
30	Depth: 19.5-21.5ft BGS Sudan IV test results:negative PID Headspace (ppm): 0							
32								
34								
36								
38								
<u>N</u>	IOTES: MEASURING POINT ELEVATIONS MAY CHANGE; WATER FOUND ▼	REFER TO C	CURRENT ELEVATION TABLE			1		



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH21-13

DEPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH	BOREHOLE			SAMI		
ft BGS		ft BGS		NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
-2 -4	SW-SILTY SAND (FILL), gravel/cobble fragments, fine silt, medium sand, low plasticity, brown, low moisture - 0.2' very fine grained, dark gray, no odor at 2.8ft BGS CL-CLAY (FILL), with gravel/cobble and	3.00		1GP		3.7		0.0
-6 -8	medium sand, high plasticity, dark brown, medium moisture - 0.25' sand with gravel layer increasing clay with depth, decreasing moisture with depth at 3.9ft BGS		BACKFILLED WITH BENTONITE CHIPS	2GP		2.8		36.1
- 10 - 12	SW-SAND (native), with gravel/rock, medium sand, low density, tan, low moisture	9.50		3GP		3.0		0.0
14 16 18	- Wet at 18.3ft BGS		abla	4GP		4.3		0.0
20 22	- 1.2' orange sand at 21.8ft BGS			5GP		2.5		0.0
242628				6GP		2.3		0.9
32				7GP		2.5		2.7
36				8GP		2.3		4.8



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH21-13

DEPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH	BOREHOLE			SAMI	PLE	
ft BGS		ft BGS	BONENGE	NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
				9GP		3.1		0.0
46 48 50				10GP		2.9		0.0
- 50 52 - 52 54				11GP		2.6		2.3
- - - - - - - - - - 58				12GP		3.0		0.0
	END OF BOREHOLE @ 60.0ft BGS Temporary well screened from 19.25 to 23.25ft BGS. Screen removed and backfilled on June 18, 2013. Depth: 18.25-20.25ft BGS Sudan IV test results:negative PID Headspace (ppm): 0	60.00						0.0
<u> </u>	NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; F WATER FOUND $\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	 REFER TO C	URRENT ELEVATION TABLE					



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH22-13

DEPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH	BOREHOLE			SAMI	PLE	
ft BGS	CHATISTA THE BESSALE FISH A RELIMINATION	ft BGS	BOKENOLE	NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
-2	TOPSOIL SP-SAND (FILL), medium sand, low density, black, low moisture, no odor SM-SILTY SAND (FILL), medium sand, medium density, low plasticity, brown, low moisture SW-SILTY SAND (FILL), trace coarse gravel,	0.50 0.70 3.00	■— BACKFILLED	1GP		3.8		0.0
-6 -8	tan/brown SM-SILTY SAND (FILL), medium sand, medium density, low plasticity, brown, low moisture	7.00	WITH BENTONITE CHIPS	2GP		3.0		0.0
- 10 - 12 - 14	SW-SAND (native), with coarse gravel, medium sand, low density, tan/brown, low moisture	10.00		3GP		3.0		0.0
16				4GP		2.5		0.0
20 22 24			Ā	5GP		2.6		0.0
26 28	END OF BOREHOLE @ 26.0ft BGS Temporary well screened from 21.5 to 25.5ft	26.00				_		
-30	BGS. Screen removed and backfilled on June 18, 2013. Depth: 20.4-22.4ft BGS Sudan IV test results:negative PID Headspace (ppm): 0							
343638								
	NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REWATER FOUND WATER FOUND WATER FOUND WATER FOUND WATER FOUND WATER FOUND WATER FO	EFER TO C	CURRENT ELEVATION TABLE					



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH23-13

t BGS	SM-SAND AND SILT (FILL), fine sand, trace		ft BGS		BEF	X	€	5	, E		
	SM-SAND AND SILT (FILL) fine sand trace				NUMBER	INTERVAL	REC	'N' VALUE	PID (ppm)		
4	medium to coarse sand, compact, dark brown, dry								0.0		
	- cobble at 2.5ft BGS				1GP		3.2		0.0		
6				BACKFILLED WITH					0.0		
8				BENTONITE CHIPS	2GP		3.1		0.0		
10	SW/GW-SAND AND GRAVEL (native), medium to coarse sand, little fine sand, fine		9.40						0.0		
	gravel, loose, brown/tan, dry								0.0		
12					3GP		3.1		0.0		
							-		0.0		
16					4GP		3.5		0.0		
18				Ţ					0.0		
20									0.0		
22							5GP		3.0		0.0
26			26.00				-		0.0		
28	SW-SAND (native), fine to medium sand, loose, little to some coarse sand, well graded, wet		20.00		6G₽		3.0		0.0		
30	- increase in gravel content (little to some								0.0		
	gravel) at 30.0ft BGS								0.0		
32					7GP		3.0		0.0		
34							-		0.0		
38					8GP		3.0		0.0		



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH23-13

EPTH t BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE			SAMI		
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
40								0.0
12				9GP		3.7		0.0
14								0.0
16								0.0
1 8				10GP		3.0		0.0
50						_		0.0
52				11GP		1.0		0.0
54								0.0
56								0.0
58				12GP		0.0		0.0
60	END OF BOREHOLE @ 60.0ft BGS	60.00						
62	Temporary well screened from 20.5 to 24.5ft BGS. Screen removed and backfilled on June 18, 2013.							
64	Depth: 19.5-21.2ft BGS Sudan IV test results:negative							
66	PID Headspace (ppm): 0							
88								
70								
72								
74								
76								



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH24-13

SM-SAND AND SILT (FILL), trace or compact, fine sand, trace medium so brown, dry -2 -4 -6 -8 -10 SW/GW-SAND AND GRAVEL (native gravel, few fine sand, with medium gravel, few fine sand, with medium gravel, few fine sand, noist -12 -14 -16 -18 -1' thick zone of few gravel at 17.8ft -20 - coarse grained at 20.0ft BGS -22 -24 - fine grained at 24.4ft BGS END OF BOREHOLE @ 25.0ft BGS Temporary well screened from 20.6 BGS. Screen removed and backfille 19, 2013.	cobble, 존점	ft BGS	BOREHOLE	₽ NUMBER	INTERVAL	8.8 8.6	'N' VALUE	O. PID (ppm)
compact, fine sand, trace medium sabrown, dry SW/GW-SAND AND GRAVEL (native gravel, few fine sand, with medium gravel, few fine sand, with medium grand, loose, brown/tan, moist 12 14 -16 -18 -1' thick zone of few gravel at 17.8ft -coarse grained at 20.0ft BGS -22 -fine grained at 24.4ft BGS END OF BOREHOLE @ 25.0ft BGS Temporary well screened from 20.6 BGS. Screen removed and backfille 19, 2013.	cobble, sand, dark			1GP		3.8		0.0
SW/GW-SAND AND GRAVEL (native gravel, few fine sand, with medium gravel, few fine sand, with medium gravel, few fine sand, with medium gravel, few fine gravel at 17.8ft 10 - 1' thick zone of few gravel at 17.8ft 20 - coarse grained at 20.0ft BGS 22 24 - fine grained at 24.4ft BGS END OF BOREHOLE @ 25.0ft BGS Temporary well screened from 20.6 BGS. Screen removed and backfille 19, 2013.		:	BACKFILLED					0.0
gravel, few fine sand, with medium grand, loose, brown/tan, moist 12 14 16 18 - 1' thick zone of few gravel at 17.8ft 20 - coarse grained at 20.0ft BGS 22 24 - fine grained at 24.4ft BGS END OF BOREHOLE @ 25.0ft BGS Temporary well screened from 20.6 BGS. Screen removed and backfille 19, 2013.		9.70	WITH BENTONITE CHIPS	2GP		3.1		0.0
- 1' thick zone of few gravel at 17.8ft - coarse grained at 20.0ft BGS - fine grained at 24.4ft BGS END OF BOREHOLE @ 25.0ft BGS Temporary well screened from 20.6 BGS. Screen removed and backfille 19, 2013.	ive), few grained			3GP		3.8		0.0
22 - fine grained at 24.4ft BGS END OF BOREHOLE @ 25.0ft BGS Temporary well screened from 20.6 BGS. Screen removed and backfille 19, 2013.	ft BGS			4GP		4.1		0.4
Temporary well screened from 20.6 BGS. Screen removed and backfille 19, 2013.			Ų į	5GP		4.6		0.0
30 Depth:19.6-21.6ft BGS Sudan IV test results:negative PID Headspace (ppm): 0 32 34 36 38	3 to 24.6ft	25.00				-		0.0



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH25-13

-2 -4 -6 -8 -10 -12 -14 -16 -18	TOPSOIL SW-SAND (FILL), with gravel, medium sand, black SM-SILTY SAND (FILL), trace coarse gravel, medium density, low plasticity, brown, low moisture CL-SANDY SILTY CLAY (FILL), high density, low plasticity, dark gray, low moisture SW-SAND (native), trace coarse gravel, low density, medium sand, tan/brown, low moisture	6.75 8.20	BACKFILLED WITH BENTONITE CHIPS	1GP 2GP	INTERVAL	3.2 3.5	'N' VALUE	(mdd) <u>QI</u> d 0.0 0.0 0.0 0.0 0.0 0.0
-4 -6 -8 -10 -12 -14	SW-SAND (FILL), with gravel, medium sand, black SM-SILTY SAND (FILL), trace coarse gravel, medium density, low plasticity, brown, low moisture CL-SANDY SILTY CLAY (FILL), high density, low plasticity, dark gray, low moisture SW-SAND (native), trace coarse gravel, low	6.75	WITH	2GP		3.5		0.0 0.0 0.0 0.0
- 10 - 12 - 14	low plasticity, dark gray, low moisture SW-SAND (native), trace coarse gravel, low		WITH			_		0.0
14				3GP		2.7		
				4GP		3.0		0.0
20 22 24			abla	5GP		3.5		0.0
26	END OF BOREHOLE @ 26.0ft BGS Temporary well screened from 21.75 to 25.75ft BGS. Screen removed and backfilled on June	26.00						
30	18, 2013. Depth: 20.75-22.75ft BGS Sudan IV test results:negative PID Headspace (ppm): 0							
34 36 38								



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH30-13

EPTH BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE			SAM		
1800		11 000		NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	TOPSOIL (3.1/2)	0.50						22.4
2	SW-SAND (FILL), with gravel, cobbles, silt, low density, fine to medium sand, dark brown, low moisture	•		1GP		3.8		13.5
4		•	DAOKEILLED					0.4
6		•	BACKFILLED WITH BENTONITE					8.1
8	- more silt based, glass shards at 8.0ft BGS	•	CHIPS	2GP		4.0		3.7
	note on bacca, grade charactar at contract a	•						1.2
10		• • •						0.0
12		•		3GP		1.0		_
14		15.10						0.0
16	CL-CLAY, high density, medium plasticity, brown, low moisture	16.25						
	SW-SILTY SAND with gravel, brown, low-medium moisture	ا اه		4GP		2.6		0.0
18	ML-SANDY SILT, high density,fine grained, low plasticity, brown, medium moisture			, , ,				0.0
20		20.75				1		
22	SW-SAND (native), with gravel, low density, tan/brown, high moisture	•		5GP		3.5		0.0
24		•						0.0
		٥				-		0.0
26		•						
28		•		6G₽		3.3		0.0
		•						0.0
30	o o o o o o o o o o o o o o o o o o o	•		29.5-31.5 \JT-087/				
	- water table at 31.5ft BGS	•	Į Villa	(JT-087)				0.0
32		•		7GP		3.1		0.0
34		•						0.0
		•				-		0.0
36								
38		• • •		8GP		2.0		0.0
	NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; R	EFER TO C	CURRENT ELEVATION TABLE			1		<u> </u>
	WATER FOUND ♀ CHEMICAL ANALYSIS							



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH30-13

DEPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH	BOREHOLE			SAM	PLE	
ft BGS	- TO THE PESSING HON WILLIAM WINE	ft BGS	BONEFIGEE	NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
-40								0.6
-42				9GP		3.0		1.2
-44								2.3
-46 -48				10GP		3.6		3.1
-46 -50								2.6
-52								0.0
-54				11GP		3.4		0.0
-56								0.0
-58				12GP		3.1		3.8
-60 -	END OF BOREHOLE @ 60.0ft BGS	60.00						1.2
-62	Temporary well screened from 32.5 to 36.5ft BGS. Screen removed and backfilled on July							
-64	8, 2013. Depth: 31.5-33.5ft BGS							
-66	Sudan IV test results:negative PID Headspace (ppm): 0							
-68								
-70								
-72								
-74								
-76								
<u></u>	NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; WATER FOUND CHEMICAL ANALYSIS	L REFER TO C	L CURRENT ELEVATION TABL	<u> </u>			<u> </u>	



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH31-13

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE			SAM		
				NUMBER	INTERVAL	REC (ft)	N' VALUE	PID (ppm)
2	SW-SAND (FILL), loose, fine-medium sand, trace coarse sand, well graded, brown-gray, dry		■ BACKFILLED	1GP	_	3.3		0.0
8	SP-SAND/SILT (FILL), compact, gray, poorly graded, dry SW-SAND (FILL), trace fine gravel, loose, fine to medium to coarse sand, well graded, brown/black, dry	6.50 7.00	WITH BENTONITE CHIPS	2GP		3.1		4. ²
10	SP-SAND/SILT (FILL), compact, poorly graded, gray, dry	10.70						6.i
14	- iron concretions at 13.5ft BGS			3GP		3.0		2.
16	ML-SILT, compact, clayey, gray-olive green	15.00						20
18				4GP /18-20^ JC-076/07	 	3.1		5.4
20								111 84.
22				5GP		3.1		17.



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH31-13

DEPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH	BOREHOLE		1	SAMI		
t BGS		ft BGS		NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
26		26.00						0.0
	SW/GW-SAND/GRAVEL (native), loose, well graded, tan/brown, dry			6GP		3.5		0.0
28	- water table at 28.5ft BGS		₽	6GP 26.5-28.5 JC-078				0.0
30	• • •							0.0
	o o							0.0
32	- more coarse sand than fine gravel at 33.0ft BGS			7GP		3.7		0.0
34		35.00						
36	END OF BOREHOLE @ 35.0ft BGS Temporary well screened from 29.5 to 33.5ft BGS. Screen removed and backfilled on July 1, 2013.							
38	Depth: 28.5-30.5ft BGS Sudan IV test results:negative PID Headspace (ppm): 0							
10								
42								
14								
16								
48								
NO NO	OTES: MEASURING POINT ELEVATIONS MAY CHANGE WATER FOUND	E; REFER TO C	 CURRENT ELEVATION TABL	.E				



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH32-13

DEPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH	BOREHOLE			SAME	PLE	
ft BGS		ft BGS		NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
2	ASPHALT SW-SAND (FILL), loose, medium to coarse sand, trace fine sand, well graded, tan/brown, dry, SP-SILTY SAND (FILL), fine sand, poorly graded, gray, dry - wood fragment at 2.1ft BGS - clay brick fragments at 3.0ft BGS	1.30	BACKELLED	1GP		3.5		0.9
8	- coal pieces at 6.0ft BGS - brown sand 1" thick at 7.0ft BGS - black sand 1" thick at 7.2ft BGS		BACKFILLED WITH BENTONITE CHIPS	2GP		3.0		1.9
12				3GP		1.7		5.1 5.1
16 18 20				4GP		2.0		0.0
22	- no recovery at 20.3ft BGS			5GP		0.0		



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH32-13

EPTH	STRATIGRAPHIC DESCRIPTION & REMARKS		DEPTH	BOREHOLE			SAM	PLE	
t BGS		1	ft BGS	BONEHOLE	NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
26			27.25						0.0
28	CL-CLAY, silty, cohesive, low plasticity, brown/tan, dry SW/GW-SAND & GRAVEL (native), silty, loose, fine-medium-coarse sand, fine gravel,			¥	6GP 26.5-28.5 JC-079		2.5		0.0
30	slightly consolidated, well graded, brown/tan, dry - Wet at 28.5ft BGS						_		0.0
32					7GP		2.9		0.0
34	END OF BOREHOLE @ 35.0ft BGS	3	\$5.00						
36	Temporary well screened from 29.5 to 33.5ft BGS. Screen removed and backfilled on July 2, 2013.								
38	Depth: 28.5-30.5ft BGS Sudan IV test results:negative PID Headspace (ppm): 0								
10									
42									
14									
16									
18									
	DIFFO. MEAGUIDING BOULT ELEVATIONS WAY SWITTER	05.555	ED TO 7	LIDENT ELEVATION TATE					
<u>NC</u>	<u>OTES:</u> MEASURING POINT ELEVATIONS MAY CHANG WATER FOUND ☐	GE; REF	ER TO C	URRENT ELEVATION TABLE					



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH33-13

DEPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	DEP	тн	BORE	HOLE		ı	SAMI	PLE	
ft BGS		ft BC	38			NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	PAVEMENT/ASPHALT	1.00								0.0
-2	SW-SAND (FILL), with gravel and rocks, low density, medium sand, tan, strong chemical odor, low moisture	1.00				1GP		3.8		803
-4					— BACKFILLED					317
-6	SP-SAND(FILL), fine/medium sand, dark gray/black, low moisture, strong chemical odor	5.50			WITH BENTONITE CHIPS	2GP		3.4		82.2
-8						204		0.4		324
-10	- wood fragments, 0.5' thick at 10.5ft BGS									89.9
- 12 - 14						3GP		2.0		657
- 14 - 16								-		1679
- 18						4GP		2.4		1607
-20										351
-22	SW-SAND (native), with gravel/rock fragments, low density, medium sand, dark gray, low moisture	20.50)							120
-24					,	5GP /22-25\ л-060/06	1	1.4		1873
	- water table at 25.0ft BGS		,					-		275
-26						6GP		2.0		162
-28		30.00								64.5
-30	END OF BOREHOLE @ 30.0ft BGS	30.00)	(181181/181)						
-32	Temporary well screened from 26.0 to 30.0ft BGS. Screen removed and backfilled on June 26, 2013.									
-34	Depth:25-27ft BGS Sudan IV test results:negative									
-36	PID Headspace (ppm): 275									
- 38										
N	NOTES: MEASURING POINT ELEVATIONS MAY CHANG WATER FOUND ▼	GE; REFER	тос	URRENT ELEVA	TION TABLE					



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH34-13

EPTH BGS	STRATIGRAPHIC DESCRIPTION & REMARKS		DEPTH ft BGS	BOREH	OLE			SAM		
						NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
_	ASPHALT/CONCRETE	••••	0.50							
2	SW-SAND (FILL), gravel and rock fragments throughout, low density, tan to dark gray, low moisture					1GP		4.0		0.0 8.6
.					- BACKFILLED	46° JT-062				307
6	- 0.4' crushed red brick layer at 5.5ft BGS		6.75		WITH BENTONITE CHIPS	\JT-062\				
, [SP-SAND (FILL), high density, fine to medium sand, dark gray/black, low moisture		6.73		51 III 5	2GP		4.2		10.
0										0.0
	- 0.4' wood fragments at 11.0ft BGS									0.0
2						3GP		1.0		
4								_		0.0
6						4GP		2.0		0.0
8						40-		2.0		0.0
.0			21.00					-		0.0
22	SW-SAND (native), with gravel/rock fragments, low density, medium sand, tan, high moisture					5GP		1.5		0.0
24						24 - 25 - 5		-		0.0
26	- high moisture at 26.5ft BGS			¥ 2000		24.5-25.5 \-JT-063				0.0
8						6GP		3.8		
0										0.0
32										0.0
34						7GP		4.0		0.0
								_		0.0
88						8G₽		3.0		0.0



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH34-13

EPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE			SAM		
				NUMBER	INTERVAL	REC (ft)	'N' VALUI	PID (ppm)
40						-	IN. VALUE	24.9
42				9GP		3.7		0.0
44								0.0
46				10GP		2.8		0.0
48				logi		2.0		0.0
50						1		0.0
52 54				11GP		3.1		0.0
56						-		0.0
58				12GP		3.0		0.0
60 -		60.00						0.0
62	END OF BOREHOLE @ 60.0ft BGS Temporary well screened from 27.5 to 31.5ft							
64	BGS. Screen removed and backfilled on June 27, 2013.							
66	Depth: 26.5-28.5ft BGS Sudan IV test results:negative PID Headspace (ppm): 0							
68								
70								
72								
74								
76								
<u></u>	NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; WATER FOUND	REFER TO C	CURRENT ELEVATION TABL	.E				



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH35-13

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS		EPTH BGS	BOREHOLE		1	SAM		
					NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
\vdash	ASPHALT/PAVEMENT	0.2	25						
	SW-SAND (FILL), with gravel and rock, low								0.0
-2	density, medium sand, tan/brown, low moisture				1GP		4.0		
							""		0.0
-4									
				■ BACKFILLED			-		0.0
6	CD CAND (FULL) blink density for each desk	6.00	00	WITH BENTONITE					
	SP-SAND (FILL), high density, fine sand, dark gray/black, low moisture			CHIPS					0.0
-8					2GP		4.1		
									0.0
-10									0.0
10									0.0
	- 0.2' wood fragments at 11.5ft BGS								0.0
-12					3GP		1.9		
									0.0
- 14									
							1		0.0
-16									
					400		1.9		0.0
- 18					4GP		1.9		
									0.0
-20							-		
									0.0
-22									
					5GP		3.0		0.0
-24									
-: L		25.0	00		_				0.0
-26	SW-SAND (native), with gravel/cobble, low density, medium sand, tan/brown, high		.00		24.5-26.5 \JT-068/				0.0
20	moisture		Ž						0.4
	- wet at 26.5ft BGS				6GP		2.0		0.0
-28									
									0.0
-30	END OF BOREHOLE @ 30.0ft BGS	30.0	.00				1		
	T								
-32	Temporary well screened from 27.5 to 31.5ft BGS. Screen removed and backfilled on June								
	28, 2013.								
-34	Depth: 26.5-28.5ft BGS								
	Sudan IV test results:negative								
-36	PID Headspace (ppm): 0								
-38									
<u>NC</u>	DTES: MEASURING POINT ELEVATIONS MAY CHANG	IGE; REFEF	R TO C	URRENT ELEVATION TABLE					
	WATER FOUND ♀								



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH36-13

EPTH t BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTI ft BGS			,	SAM	_	
1000			<u></u>	NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
		0.20		0-2° JT-082,				1758
2	SW-SAND (FILL), with gravel and cobbles, low density, medium to coarse sand, tan/brown/dark gray, low moisture			JŢ-082, 1GP		3.5		578
4	no strong odor at high PID hit - crushed red brick, 0.4" thick at 2.3ft BGS		- DAOVENUE					
6	SP-SAND (FILL), medium density, fine	5.50	BACKFILLE WITH BENTONIT					132
8	sand,dark gray/black, low moisture		CHIPS	2GP		3.8		124
								89.4
10								57.7
12				3GP		2.3		33.0
14						-		0.0
16				4GP		2.8		0.0
18								0.0
20	- perched water 1.5' thick at 20.0ft BGS							0.0
22	SW-SAND (native), with gravel/cobbles, tan	22.00		5GP		3.0		0.0
24								0.0
26	•							
28				6GP		3.2		0.0
30						-		0.0
32	- water table, high moisture at 32.0ft BGS		V V	30-32° JT-083,				0.0
34				7GP		2.0		0.0
36	•					-		0.0
38				8GP		3.0		0.0
	NOTES: MEASURING POINT ELEVATIONS MAY CHANG	::::: E: DEFED T	CHERENT ELEVATION TARK	<u> </u> =				
	WATER FOUND ♥	_, ix_i _iX IX	, JOINLING ELEVATION (ADLE	-				



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH36-13

DEPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH	BOREHOLE			SAMI	PLE	
ft BGS	STIVITIES SECOND HONGINGHING	ft BGS	VALUE	NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
-40						_		0.0
-42				9GP		3.1		0.0
-44 -46						-		0.0
-48				10GP		3.4		0.0
- 50								0.0
-52				11GP		3.6		0.0
- 54								0.0
-56				12GP		4.0		0.0
-58								0.0
-60 -62	END OF BOREHOLE @ 60.0ft BGS Temporary well screened from 33.0 to 37.0ft	60.00						
-64	BGS. Screen removed and backfilled on July 2, 2013.							
- 66	Depth: 20-22ft BGS Sudan IV test results:negative PID Headspace (ppm): 0							
-68	Depth: 32-34ft BGS Sudan IV test results:negative PID Headspace (ppm): 0							
-70								
-72								
- 74 - 76								
!	NOTES: MEASURING POINT ELEVATIONS MAY CHANG WATER FOUND	E; REFER TO	CURRENT ELEVATION TABL	E				



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH37-13

EPTH t BGS	STRATIGRAPHIC DESCRIPTION & REMARKS		DEPTH ft BGS	BOREHOLE			SAM		_
. 200			N BOO		NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	PAVEMENT/ASPHALT		0.75						
_	SW-SAND (FILL), with gravel/rock fragments,	80000	0.70						0.0
2	low density, tan, low moisture	****	2.80		1GP		3.8		
	SP-SAND (FILL),trace gravel, high density, fine sand, dark gray/black, low moisture		2.00						0.0
4	are said, dark gray/black, low moisture								
_				■ BACKFILLED WITH	'		1		0.0
6				BENTONITE CHIPS					
					2GP		4.3		0.0
3									
									0.0
10							1		
									0.0
12	- wood fragments, 0.2' thick at 12.1ft BGS				3GP		2.3		
									0.0
14									
							1		0.0
16	- perched water, 0.25' thick at 16.0ft BGS								
					4GP		2.2		0.0
18					~~				
									0.0
20	- perched water, 1.5' thick at 20.2ft BGS						1		
									0.0
22	SW-SAND (native), with gravel, low density,		22.00		5GP		2.5		
	tan, medium-high moisture	****							0.0
24									
		00000					1		0.0
26					25-27° JT-086,	1			
	- water table at 27.0ft BGS	****			6GP		2.7		0.0
28					000		2.1		
		00000							0.0
30							-		
-	CL-CLAY, high density, medium moisture	·;;;;	31.00						0.0
32 —	SW-SAND (native)	- / ////	32.00		700		3.0		
	()	8000			7GP		3.0		0.0
34									
		0,000					-		0.0
36									
									0.0
38					8GP		3.7		
									<u> </u>
NO	OTES: MEASURING POINT ELEVATIONS MAY CHA	ANGE; RE	EFER TO C	CURRENT ELEVATION TABLE					
	WATER FOUND ♀ CHEMICAL ANALYSIS								



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH37-13

EPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH	BOREHOLE		ı	SAMI		
t BGS		ft BGS	VIIIIII	NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
40	o o o					_		0.0
42				9GP		4.0		0.0
14	0 0 0					-		0.0
46	0 0 0			10GP		3.7		0.0
48 50								0.0
52								0.0
54				11GP		3.3		0.0
56	• • •					_		0.0
58	0 0 0 0			12GP		3.6		0.0
60	END OF BOREHOLE @ 60.0ft BGS	60.00						0.0
62	Temporary well screened from 28.0 to 32.0ft BGS. Screen removed and backfilled on July 8, 2013.							
64	Depth: 18-19ft BGS Sudan IV test results:negative							
66	PID Headspace (ppm): 0 Depth: 20.5-22.5ft BGS							
68	Sudan IV test results:negative PID Headspace (ppm): 0							
70	Depth: 27-29ft BGS Sudan IV test results:negative PID Headspace (ppm): 0							
74	1 VI / -							
76								
	IOTEC. MEACUBINO DOINT ELEVATIONO MAY CUANC	- DEEED TO	OHERENT ELEVATION TAR					
<u>N</u>	NOTES: MEASURING POINT ELEVATIONS MAY CHANGI WATER FOUND CHEMICAL ANALYSIS	e, kefek 10	COMENT ELEVATION TABL	-				



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH38-13

DEPTH	STRATIGRAPHIC DESCRIPTION & REMARKS		DEPTH	BOREHOLE	-			SAM		
t BGS			ft BGS			NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
2	SW-SAND (FILL), with gravel/cobbles and silt, medium density, medium sand, brown/gray, low moisture			■ BACKFIL		1GP 2-4' \JT-064		3.8		411 880 437
3	SP-SAND (FILL), high density, fine sand, dark gray/black, low moisture SW-SAND (FILL), with gravel/cobbles and silt, medium density, medium sand, brown/gray,		6.00 8.50	WITH BENTON CHIPS		2GP		3.5		269 963
10 12 14	low moisture					3GP		1.9		94.i
18						4GP		2.0		0.0
22	SW-SAND (native), with gravel, cobbles and silt, low density, tan/brown, low moisture		21.00			5GP		3.7		0.0
26	- wet at 27.5ft BGS			V	2	25.5-27.5 .JT-065/ 6GP		3.6		0.0
32 34	CL-CLAY, with silt and sand, high density, high plasticity, gray, medium moisture		30.50			7GP		3.3		0.0
8	SW-SAND, with gravel, cobbles and silt, low density, tan/brown, low moisture	***************************************	36.00			8GP		3.5		0.0



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH38-13

DEPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH	BOREHOLE			SAMI		
ft BGS		ft BGS	VIII III III III III III III III III II	NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
40		, °, °, °, °, °, °, °, °, °, °, °, °, °,						0.0
42				9GP		3.8		0.0
44		a`a o`o o`o o`o				-		0.0
46 48				10GP		1.0		
50		。。。 。。 。。 。。						
52		• • • • • • • • • • • • • • • • • • • •						
54								
56								
58								
60	END OF BOREHOLE @ 60.0ft BGS	60.00	<i>V£812H812</i> H83					
62	Temporary well screened from 28.5 to 32.5ft BGS. Screen removed and backfilled on June 28, 2013.							
64	Depth: 27.5-29.5ft BGS Sudan IV test results:negative							
66	PID Headspace (ppm): 0							
68								
70								
72 74								
76								
<u>1</u>	NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; WATER FOUND CHEMICAL ANALYSIS	REFER TO 0	CURRENT ELEVATION TABLE	Ξ				



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH39-13

EPTH BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	D	EPTH BGS	BOREHOLE			SAMF		
					NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
2	ASPHALT SW-SAND(FILL), little fine gravel, loose, medium-coarse sand, well graded, brown-black, dry - silty at 1.5ft BGS	0.	.25						40.5
<u> </u>	- concrete fragments at 2.0ft BGS SW-SILTY SAND (FILL), compact, fine-medium sand,trace coarse sand and fine gravel, well graded, black-brown, moist	2.	.50		1GP		4.2		4.6
3	- green glass pieces at 5.5ft BGS - wood fragments at 5.7ft BGS			BACKFILLED WITH BENTONITE CHIPS					12.4
3	SP-SAND (FILL), medium grained, loose, gray, poorly graded, gray, dry	6.	.50		2GP		3.5		4.3
0									0.0
2	 little coarse sand and fine gravel, 2' thick with medium sand at 10.5ft BGS 								0.0
4					3GP		2.1		0.0
6									0.6
8					4GP		2.0		0.0
	- perched water in black sand at 21.0ft BGS								0.0
22					5GP		3.4		0.0



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH39-13

DEPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH	BOREHOLE	-		SAM		
t BGS		ft BGS		NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
26								0.0
28	ML-SILT, black, compact, damp	28.00		6GP		3.7		
30	SW-SAND (native), trace fine gravel, loose, medium-coarse sand, well graded, brown, dry - rocks at 28.5ft BGS GC-CLAYEY-SILTY GRAVEL (native), cohesive, low plasticity, tan/off white, dry	28.50 29.00 30.00 30.50	abla	(28-30°) (JC-075)		_		0.0
32	- water table at 30ft BGS SM-SILT/SAND (native), clayey, trace fine gravel, compact, fine sand, well graded, tan/brown, wet SW/GW-SAND AND GRAVEL (native), loose.			7GP		3.0		0.0
34	medium-coarse sand and fine gravel, brown/tan, wet							
36	END OF BOREHOLE @ 35.0ft BGS	35.00	UNUNUNA					
-	Temporary well screened from 31.0 to 35.0ft BGS. Screen removed and backfilled on July 1, 2013.							
38	Depth:21-23ft BGS Sudan IV test results:negative PID Headspace (ppm): 0							
40	Depth: 26-28ft BGS Sudan IV test results:negative PID Headspace (ppm): 0							
42	Depth: 30-32ft BGS Sudan IV test results:negative PID Headspace (ppm): 0							
44								
46								
48								
	NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; RI	EEED TO C	NIBBENT ELEVATION TABL					



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH40-13

DEPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH	BOREHOLE			SAM	PLE	
ft BGS	STATISTAL TIL DESCRIPTION & REMARKS	ft BGS	BONEFICEE	NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	ASPHALT/CONCRETE SW-SAND (FILL), with gravel/cobbles, medium sand, low density, tan/dark gray, low moisture	0.50		1GP		3.9		40.5
-6 8 8	SP-SAND (FILL), fine sand, high density, dark gray/black, low moisture, silty with increasing depth	7.00	BACKFILLED WITH BENTONITE CHIPS	2GP		3.0		12.4 4.3 0.0
10 12 14	- 0.1' wood fragments at 10.3ft BGS			3GP		2.8		0.0
-16 -18 -18				4GP √18-20° П-066/JT-0) 067	1.8		0.0
-20 -22 -24	- high moisture at 20.3ft BGS SW-SAND (native), with gravel/cobbles, medium sand, low density, tan/gray, high moisture	22.25	V	5GP		3.3		0.0
-26 -28		30.00		6GP		3.1		0.0
- 30 - 32 - 34 - 36 -	END OF BOREHOLE @ 30.0ft BGS Temporary well screened from 31.5 to 35.5ft BGS. Screen removed and backfilled on July 2, 2013. Depth: 20.3-22.3ft BGS Sudan IV test results:negative PID Headspace (ppm): 0	30.00						
_38 <u>N</u>	NOTES: MEASURING POINT ELEVATIONS MAY CHANGE WATER FOUND CHEMICAL ANALYSIS	; REFER TO (CURRENT ELEVATION TABLE					

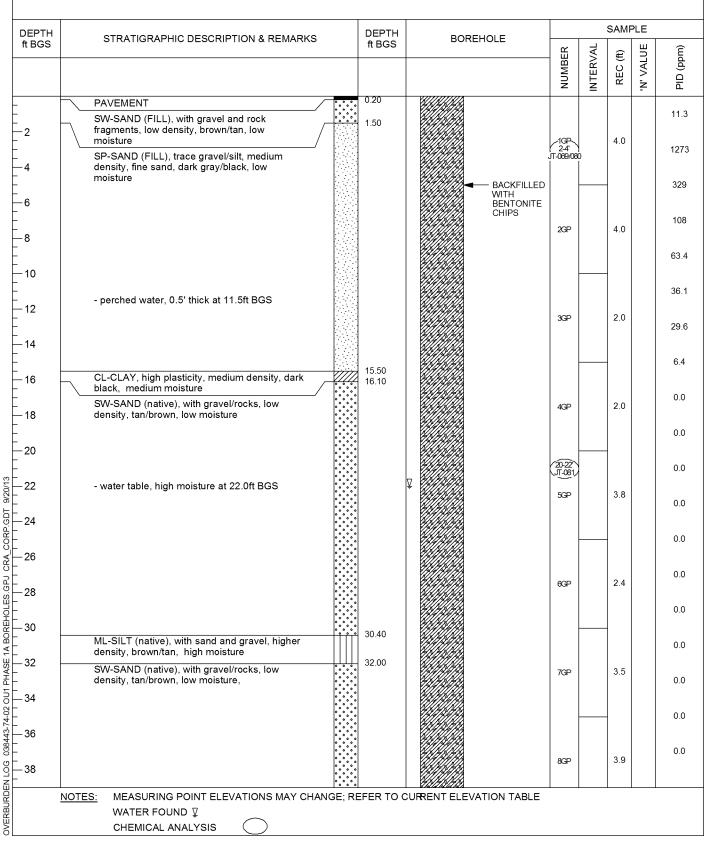


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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH42-13





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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH42-13

DEPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH	BOREHOLE			SAM	PLE	
ft BGS	STOTISTICS SECOND FISH WILLIAM	ft BGS	Vallation	NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
-40								0.0
-42 -44				9GP		4.0		0.0
-46								0.0
-48				10GP		2.9		0.0
-50								0.0
-52 -54				11GP		2.6		8.3
- 56								0.0
-58				12GP		2.1		0.0
-60	END OF BOREHOLE @ 60.0ft BGS	60.00						
-62 -64	Temporary well screened from 33.0 to 37.0ft BGS. Screen removed and backfilled on July 8, 2013.							
-66	Depth: 11.5ft BGS Sudan IV test results:negative PID Headspace (ppm): 36.1							
-68	Depth: 22-24ft BGS Sudan IV test results:negative PID Headspace (ppm): 0							
-70								
72								
76								
	NOTES: MEASURING POINT ELEVATIONS MAY CHANG	SE; REFER TO	CURRENT ELEVATION TABL	 .E				



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH43-13

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE		~		SAME		~
					NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	SW-SAND (FILL), trace fine gravel, loose, fine to medium to coarse sand, well graded, brown, dry								0.0
4	- glass pieces at 2.0ft BGS				1GP		3.5		0.0
6			WITH	FILLED ONITE					0.0
8	ML-SILT (FILL), compact, gray, dry	7.50			2GP		3.1		0.0
10	SW-SILTY SAND (FILL), trace fine gravel, fine to medium sand, some consolidated, tan, black, dry - glass pieces at 11.0ft BGS	10.00					-		
12					3GP		1.8		0.0
16									0.0
18					4GP		2.0		0.0
20	- perched water at 20.0ft BGS						_		0.
22	ML-SILT, compact, gray, moist SW/GW-SAND & GRAVEL (native), loose, medium to coarse sand, fine gravel, well graded, tan/brown, dry	21.50 22.00			5GP		3.0		0.0
24									



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH43-13

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS		DEPTH	BOREHOLE			SAMI		
I BGS			ft BGS		NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
26	- water table, wet at 28.8ft BGS		·	∇	/6GP 26.8-28.8 \JC-074		3.6		0.0
32 —	CL-CLAY, cohesive, dense, low plasticity, trace coarse sand and fine gravel		32.00		7GP		4.7		0.0
	END OF BOREHOLE @ 35.0ft BGS		35.00						
36	Temporary well screened from 28.5 to 32.5ft BGS. Screen removed and backfilled on July 1, 2013.								
38	Depth: 28.8-30.8ft BGS Sudan IV test results:negative PID Headspace (ppm): 0								
40	Depth: 30.8-32ft BGS Sudan IV test results:negative PID Headspace (ppm): 0								
42									
44									
46									
18									
NC NC	DTES: MEASURING POINT ELEVATIONS MAY CHAN	IGE; REF	FER TO C	:URRENT ELEVATION TABL	 E				



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH44-13

DEPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH	BOREHOLE			SAMI		
ft BGS		ft BGS		NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
2	SW-SAND (FILL), with gravel/rock fragments, medium to low density, tan/brown, low moisture			1GP 2-4' JT-084		4.0		205 1390
8			BACKFILLED WITH BENTONITE CHIPS			2.8		53.4 66.7
10 – 12 14	SP-SAND (FILL), trace gravel, high density, fine sand, dark gray/black, low moisture,	10.00		3GP		3.2		0.0
16				4GP		1.0		0.0
22 24	- fill sand has more silt & plasticity at 20.0ft BGS			5GP		1.9		0.0
26	SW-SAND (native), with gravel/rock fragments, medium-low density, medium sand, tan, low moisture	25.50		6GP		3.0		0.0
30 32 34	CL-CLAY, fine grained, gray,	33.40		7GP		3.6		16.6 224
36	SW-SAND (native), with gravel/rock fragments, medium-low density, medium sand, tan, low moisture - water table at 37.5ft BGS	35.80	Ψ.	35.5-37.5 \.Л-085/ 8GP		4.3		121 23.3



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH44-13

DEPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH	BOREHOLE			SAMI	PLE	
ft BGS		ft BGS		NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
-40 -42 -44		6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		9GP		3.8		0.0 0.0 0.0
-46 -48		• • • • • • • • • • • • • • • • • • •		10GP		4.0		0.0
-50 -52 -54		• • • • • • • • • • • • • • • • • • •		11GP		3.8		0.0
- 56 - 58		6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		12GP		2.8		0.0
-60 -62	END OF BOREHOLE @ 60.0ft BGS Temporary well screened from 38.5 to 42.5ft BGS. Screen removed and backfilled on July	60.00				_		0.0
- 64 - 66	2, 2013. Depth: 37.5-39.5ft BGS Sudan IV test results:negative PID Headspace (ppm): 103							
-68 -70								
72								
74								



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH46-13

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE			SAM		
11 500		R BOO		NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	ASPHALT	0.50						
-2	SW/GW-SAND/GRAVEL (FILL), loose, medium-coarse sand, fine gravel, well graded, tan/brown, dry	•		1GP		4.2		5.9
4	SP-SAND (FILL), medium grained, poorly graded, loose, gray, dry	4.00	BACKFILLED WITH			-		6.9
-6			BENTONITE CHIPS					5.1
-8				2GP		4.2		5.1
-10	- dark brown, sand at 10.0ft BGS							
12	- coarse sand/fine gravel 0.5" thick at 11.5ft BGS			3GP		2.4		13.
14								4.5
16								3.9
18				4GP		2.5		3.2
20	- perched water at 19.8ft BGS					-		
-22	- coarse sand, black, odor, rainbow sheen, wet at 22.0ft BGS			5GP		3.0		236
24	CL-CLAY (FILL), silty, cohesive, low plasticity, black-gray, damp	24.00 25.00						24.
26	SP-SAND (FILL), loose, medium sand, poorly graded, brown, dry	25.70 26.50						397
-28	SP-SILTY SAND (native), loose, medium sand, little to some fine sand, poorly graded, dry	•		6G₽		2.6		222
30	SW-SILTY SAND (native), fine to medium to coarse sand, little fine gravel, well graded, brown							234
32	CL-CLAY, silty, little coarse sand, cohesive, low plasticity, tan/brown, dry	31.50 32.50		7GP		3.7		170
34	GW/SW-SAND/GRAVEL, loose, medium-coarse sand, fine gravel, well graded, dark gray, wet	35.00						
- 36	END OF BOREHOLE @ 35.0ft BGS	33.00						
38	Temporary well screened from 31.0 to 35.0ft BGS. Screen removed and backfilled on July 2, 2013.							
	NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; R	EFER TO	CURRENT ELEVATION TABLE	1	l			



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH46-13

EPTH t BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE			SAMI	т т	
BGS		пвс		NUMBER	INTERVAL	REC (ft)	N' VALUE	PID (ppm)
40	Depth: 19.8-21.8ft BGS Sudan IV test results: positive PID Headspace (ppm): 236.2				=		-	
42	Depth: 30-31.5ft BGS Sudan IV test results: positive							
14	PID Headspace (ppm): 170							
46	Depth: 32.5-34.5ft BGS Sudan IV test results: positive PID Headspace (ppm): 170							
48								
50								
52								
54								
56								
58								
60								
62								
64								
66								
68								
70								
72								
74								
76								



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH46B-13

	STRATIGRAPHIC DESCRIPTION & REMARKS	i	DEPTH ft BGS	BOREHOLE			SAMI	г т	
ft BGS			11 11 11 11		NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (man)
	SW-SAND (FILL), loose, fine to medium sand, well graded, brown/tan, dry	****	4.50						0.0
2	SP-SAND (FILL), loose, fine sand, little medium sand, poorly graded, brown, dry		1.50		1GP		4.0		0.0
4	- gray sand at 4.0ft BGS			■ BACKFILLED			-		0.0
6				WITH BENTONITE CHIPS					0.0
8					2GP		3.8		0.0
10									ſ
12					3GP		2.8		0.0
14									0.
16	- white sand with some consolidated sand at				405		2.8		0.
18	17.0ft BGS		10.50		4GP		2.0		0. 0.
20	SM-SAND/SILT (native), compact, fine sand, brown, dry		19.50						0.0
22					5GP		2.5		0.
24	ML-SILT, compact, brown, dry		24.50						0.0
26									0.0
28	SW/GW-SAND/GRAVEL (native), loose, medium to coarse sand, fine gravel, well	****	28.00		6GP		2.2		0.0
30	graded, brown, wet						_		İ
32					7GP		3.0		0.0
34			35.00						ſ
36	END OF BOREHOLE @ 35.0ft BGS Temporary well screened from 29.0 to 33.0ft		35.00						ı
38	BGS. Screen removed and backfilled on July 8, 2013.								ı



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH46B-13

EPTH BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE		1	SAMI		
. 500		1, 500		NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
				ž	Ξ	L ax	Ż	₫
40	Depth: 28-30ft BGS Sudan IV test results: negative PID Headspace (ppm): 0							
12	,							
14								
46								
18								
50								
52								
54								
56								
58								
60								
52								
64								
66								
68								
70								
72								
74								
76								
	DTES: MEASURING POINT ELEVATIONS MAY CHANGE							



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH47-13

EPTH BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	;	DEPTH ft BGS	BOREHOLE		Г	SAM	MPLE ш		
1 503			IL DUS		NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)	
	ASPHALT/PAVEMENT		0.40							
2	SW-SAND (FILL), with gravel/rock, low density, medium sand, tan and dark gray in areas, low moisture				1GP		3.3		0.3 145	
6				BACKFILLE WITH BENTONITE CHIPS	D E		-		173	
8	SP-SAND (FILL), trace gravel and silt, high density, fine sand, dark gray/black, low moisture		6.50		2GP		4.8		309	
10									19.0	
	- 0.25' wood fragments at 10.5ft BGS								0.0	
12	- 0.25' wood fragments at 12.5ft BGS				3GP		3.1		33.	
16							_		42.2	
18					4GP		3.0		0.0	
20							-		0.0	
	- 1.2' perched water, high moisture in sand at 21.5ft BGS								0.0	
22					5GP		2.3		0.0	



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH47-13

DEPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH	BOREHOLE			SAMI	PLE	
t BGS		ft BGS		NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
26	SW-SAND (native), with gravel/rock, low density, medium sand, tan, high moisture - wet at 26.5ft BGS	25.00	abla	6GP		2.8		0.0
30	END OF BOREHOLE @ 30.0ft BGS	30.00						
32	Depth: 4-6ft BGS Sudan IV test results: negative PID Headspace (ppm): 173							
34	Depth: 21.5-23ft BGS Sudan IV test results: negative PID Headspace (ppm): 0							
36	Depth: 26.5-28.5ft BGS Sudan IV test results: negative PID Headspace (ppm): 0							
38								
10								
42								
14								
16								
18								



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH48-13

			ft BGS	l .	1 12	ı ⊄		_ =	. =
					NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	SW-SAND (FILL), loose, fine to medium to coarse sand, well graded	****	1.00						2.2
2	CL-CLAY (FILL), trace fine gravel, silt, cohesive, low plasticity, brown, dry				1GP		3.8		
4			5.50	BACKFILLE WITH	D		-		0.2
6	SP-SAND (FILL), loose, fine sand, poorly graded, gray, dry		9.50	WITH BENTONITI CHIPS					11.2
8					2GP		3.8		10.2
10	- wood fragments at 9.8ft BGS								2.2
12					3GP		2.0		385
14	- perched water, glass pieces from 15.0 to								98
16	17.0ft BGS								16.8
18					4GP		2.4		6.5
20	- rock/large gravel at 19.6ft BGS SM-SILT/SAND (FILL), compact, fine sand, well graded, brown, dry		19.80				-		2.3
22	SW/GW-SAND/GRAVEL (native), loose, fine, medium and coarse sand, fine gravel, well graded, brown/tan, dry		21.00		5GP		3.2		1.0
24									129



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH48-13

DEPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH	BOREHOLE			SAME		
t BGS		ft BGS		NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
26	- wet at 27.0ft BGS - dark gray, sheen, odor from 28.8 to 30.0ft BGS		abla	6GP		3.0		0 14.3
32	CL-CLAY, trace fine gravel, little coarse sand, cohesive, brown, dry	31.00		7GP		4.0		
34	SW-SAND (native), loose, medium to coarse sand,well graded, brown, wet END OF BOREHOLE @ 35.0ft BGS	33.80				_		
36	Depth: 27-29ft BGS Sudan IV test results: slight positive PID Headspace (ppm): 30							
38	Depth: 30-31ft BGS Sudan IV test results: slight positive PID Headspace (ppm): 14.3							
40	Depth: 33.8-35ft BGS Sudan IV test results: negative PID Headspace (ppm): -							
42								
14								
16								
48								



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH48B-13

EPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH	BOREHOLE			SAME		
t BGS		ft BGS		NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
2	ASPHALT SW- SILTY SAND (FILL), trace fine gravel, loose, fine to medium to coarse sand, well graded, brown, dry SP-SILTY SAND (FILL), slightly compact, fine sand, little medium sand, black, dry - red clay brick pieces at 4.0ft BGS	0.25	■ — BACKFILLED	1GP		3.0		9.1 7.1 8.4
3			WITH BENTONITE CHIPS	2GP		4.3		23.2 36.1
12				3GP		2.2		16. ⁻
16				4GP		0.3		0.2 30.6 27.3
22	SW/GW-SILTY SAND/GRAVEL (native), loose, medium to coarse sand, fine to coarse gravel, tan/brown, dry	20.60		5GP		1.2		0.2



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH48B-13

EPTH BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE			SAM	г т	
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
26	- water table, wet at 29.0ft BGS		∇	6GP		2.5). O). O). O
32	SW-SILTY SAND (native), slightly compact, medium to coarse sand, little fine sand, brown, little fine gravel, wet	31.00		700		2.5		
34	END OF BOREHOLE @ 35.0ft BGS	35.00		7GP		3.5		0.0
36	Temporary well screened from 30.0 to 34.0ft BGS. Screen removed and backfilled on July 8, 2013.							
38	Depth: 29-31ft BGS Sudan IV test results: negative PID Headspace (ppm): 0							
40								
42								
44								
46								
48								
			CURRENT ELEVATION TABLE					



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH49-13

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS		DEPTH ft BGS	BORE	HOLE	JER -		SAMF €		—— (wa
						NUMBER	INTERVAL	REC	'N' VALUE	PID (ppm)
-2	SM-SAND/SILT (FILL), compact, fine sand, trace coarse sand, brown, dry ML-SILT (FILL), trace fine sand, slightly compact, gray, dry		1.50			1GP		3.2		3.2
4										0.4
6	4" for and accurate 0.05 P.C.C.			-	— BACKFILLED WITH BENTONITE CHIPS	2GP		2.7		3.3
10	- 1" fine sand seam at 8.0ft BGS							_		2.
	- red clay brick fragments at 11.0ft BGS									0.0
12	- 3" long red clay brick fragments at 12.0ft BGS					3GP		3.0		0.0
16	- perched water in silt zone from 15.0 to 16.0ft BGS							-		2.5
18						4GP		3.1		0.0
20	- fine gravel and medium to coarse sand at 19.0ft BGS SW/GW-SAND AND GRAVEL (native), loose, fine, medium and coarse sand, fine gravel, well	a	19.50					-		0.0
22	fine, medium and coarse sand, fine gravel, well graded, brown/tan, dry			V Section 1		5GP		3.0		0.0
24										0.0



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH49-13

EPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH	BOREHOLE		1	SAM	PLE	
t BGS		ft BGS		NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
26	or S							0.0
28				6GP		3.5		0.0
30	CL-SANDY CLAY (native), trace fine gravel, cohesive, low plasticity, brown, damp END OF BOREHOLE @ 30.0ft BGS	29.10 30.00						0.0
32	Temporary well screened from 22.5 to 25.5ft BGS. Screen removed and backfilled on June 18, 2013.							
34	Depth: 15-16ft BGS Sudan IV test results: negative PID Headspace (ppm): 2.5							
36	Depth: 21.5-23.5ft BGS Sudan IV test results: negative PID Headspace (ppm): 0							
38	Depth: 27.1-29.1ft BGS Sudan IV test results: negative PID Headspace (ppm): 0							
40								
42								
14								
16								
18								
<u>N</u> O	OTES: MEASURING POINT ELEVATIONS MAY CHANGE	; REFER TO C	CURRENT ELEVATION TABLE	<u> </u> E				



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH50-13

DEPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH	BOREHOLE			SAMI	PLE	
ft BGS		ft BGS		NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
-2 -4	SM-SAND/SILT (FILL), compact, well graded, fine sand, brown, dry - silty sand, gray at 2.0ft BGS		■ BACKFILLED	1GP		4.0		1.2 1.2 11.9
-6 -8 -10	- 3" fine to medium sand seam at 9.0ft BGS		WITH BENTONITE CHIPS	2GP		1.8		3.3
-12 -14				3GP		1.0		32.2
-16	- little moisture at 15.0ft BGS SW/GW-SAND/GRAVEL (native), trace silt,	18.80		4GP		2.1		8.7 5.1
- 20 - 22 - 24	loose, fine, medium and coarse sand, fine gravel, tan/brown, dry - rock fragments at 24.3ft BGS		abla	5GP		2.5		3.4 22.5 5.3 163
-26	- Water table and odor at 24.5ft BGS			6GP		2.2		171 27 39
-30 - -32 - -34	END OF BOREHOLE @ 30.0ft BGS Depth: 24.5-26.5ft BGS Sudan IV test results: slight positive PID Headspace (ppm): 171	30.00	Vallation 4					
36								
N	NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; RI WATER FOUND ▼	EFER TO C	CURRENT ELEVATION TABLE					



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH50B-13

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE			SAMI		
N 500		11 100		NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (nnm)
	SW-SAND (FILL), with rock/gravel, low density, tan, low moisture	1.25						1.8
2	SP-SAND (FILL), fine grained, high density, dark gray, low moisture	125		1GP		3.6		2.0
6			BACKFILLED WITH BENTONITE CHIPS			-		0.9
8 -	SW-SAND (FILL), with gravel/rock fragments,	8.00	CHIPS	2GP		3.2		0.0
10	medium density, low moisture					-		0.0
12		12.00						0.0
14	SW-SAND (native), with rock fragments/gravel, medium sand, low density, low moisture			3GP		2.5		0.0
16								0.
18				4GP		3.1		0.
20								0.0
22								0.0
24	- wet at 23.0ft BGS		V STATE OF THE STA	5GP		3.7		0.0
26		26.00		6GP		3.5		4.
28	END OF BOREHOLE @ 26.0ft BGS Depth: 23-25ft BGS							
30	Sudan IV test results: negative PID Headspace (ppm): 4.6							
32								
34								
36								
38								
N	NOTES: MEASURING POINT ELEVATIONS MAY CHANG	E; REFER TO C	URRENT ELEVATION TABLE					
	WATER FOUND ♀							



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH51-13

EPTH BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEF	PTH BGS	BOREHO	DLE			SAME		
1 863		11.6	,63			NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	TOPSOIL/ROCK	0.25	,			(12)				
2	SW-SAND (FILL), with gravel/rock fragments, medium sand, low moisture	1.20				0-2 JT-027				338
2	SP-SAND (FILL), high density, fine sand,dark					1GP		3.5		20.
1	gray SW-SAND (FILL), with gravel/rock fragments,	3.50								20
	medium sand, low moisture				BACKFILLED					35.
6					WITH BENTONITE CHIPS					
					CHIPS	2G₽		2.1		20.
3	SW-SAND (native), with gravel/rock, low	8.20								
10	density, medium sand, tan, low moisture	* * * * * *								18.
										44.
2										
						3GP		3.0		17.
4										
										7.1
6										0.0
8		8.8.8.				4GP		4.0		9.6
										3.3
20						19.3-20.3 \JT-028/				
	- wet at 21,3ft BGS		,	¥ <i>81318</i>		∕¹Ū-058∖				4.4
22						5GP		3.0		
										11.
24										11.
26										11.
.										2.6
:8						6GP		2.8		
		* * * * * * * * * * * * * * * * * * * *								14.
60								-		
,	ML-SILT (native), with sand, trace gravel, high	31.5	60							0.0
32	density, gray, high moisture					7GP		4.0		0.0
s4										
	CIM CAND (s. st.)	35.2	10							0.0
86	SW-SAND (native), with gravel/rock, low density, medium sand, tan, low moisture									
						8GP		4.0		0.0
88	 increase in silt content from 38.0 to 40.0ft BGS 									
	NOTES: MEASURING POINT ELEVATIONS MAY CHAN	IGE; REFER	TO C	URRENT ELEVATI	ON TABLE					
	WATER FOUND ♀									



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH51-13

DEPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	1	DEPTH	BOREHOLE			SAMI	г т	
ft BGS		0 0 0	ft BGS	Vallation	NUMBER	INTERVAL	REC (ft)	'N' VALUE	O PID (ppm)
40									0.0
42 44					9GP		3.6		0.0
46									0.0
18					10GP		3.3		0.0
50									0.0
52					11GP		2.0		0.0
54	ML-SILT (till), with sand and gravel, high density, gray, high moisture		55.00				-		0.0
58 -	SW-SAND (native), with gravel/rock, low		58.00		12GP		4.1		0.0
50 -	density, medium sand, tan, low moisture END OF BOREHOLE @ 60.0ft BGS		60.00						0.0
52	Temporary well screened from 22.5 to 26.5ft BGS. Screen removed and backfilled on June 21, 2013.								
64 66	Depth: 21.3-23.3ft BGS Sudan IV test results: negative PID Headspace (ppm): 11.5								
68	, ib rioddopado (ppini). Tho								
70									
72									
74									
76									
<u>r</u>	NOTES: MEASURING POINT ELEVATIONS MAY CHANG WATER FOUND CHEMICAL ANALYSIS	GE; REF	ER TO C	URRENT ELEVATION TABLE				_	



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH52-13

EPTH t BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE			SAME		
		11.000		NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
2	SW-SAND (FILL), loose, medium to coarse sand, well graded, brown, dry, dirty - glass fragments at 0.7ft BGS SM-SILT/SAND (FILL), cohesive, fine sand, dark gray, very moist	1.40		1GP		3.0		0.8
3	SW-SAND (FILL), trace silt, loose, fine, medium and coarse sand, well graded, dark brown to brown, moist - 4" wood fragments at 5.8ft BGS	5.20	BACKFILLEI WITH BENTONITE CHIPS			2.5		5.3 0.3
10	- red silty sand at 9.6ft BGS ML-CLAYEY SILT (FILL), trace medium sand, cohesive, dark brown, dry SW-SAND (native), trace fine gravel, loose,	10.50				_		0.0
14	fine, medium and coarse sand, well graded, tan/brown, dry			3GP		2.2		0.0
16				4GP		3.5		0.5
20						_		0.0
22	- wet at 23.8ft BGS		abla	5GP 21.8-23.8 VC-015/ JC-014		3.5		0.0



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH52-13

DEPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH	BOREHOLE			SAMI		
ft BGS		ft BGS	567.3.1022	NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
-26				6GP		2.7		0.0
30		30.00		00,5		2.1		0.0
32	END OF BOREHOLE @ 30.0ft BGS Temporary well screened from 24.8 to 28.8ft BGS. Screen removed and backfilled on June 19, 2013.							
34	Depth: 23.8-25.8ft BGS Sudan IV test results: negative PID Headspace (ppm): 0							
36								
38								
40								
42								
44								
46								
48								
NOT	TES: MEASURING POINT ELEVATIONS MAY CHANGE: WATER FOUND	; REFER TO C	CURRENT ELEVATION TABL	E				



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH53-13

EPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH	BOREHOLE			SAMI		
BGS		ft BGS		NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
\vdash	TOPSOIL/ROCK	0.25		02				
2	SW-SAND (FILL), with gravel/rock fragments, low density, brown, low moisture			02 JT-001				3442
	- 2' silty sand, dark gray/black at 2.3ft BGS	。°°°		1GP		3.0		122
1	•••	**	■ BACKFILLED			-		102
	SM-SILTY SAND (FILL), fine and medium grained, medium moisture	6.00	WITH BENTONITE CHIPS					73.4
3	- 1' perched water layer at 6.0ft BGS			2GP		2.4		
	- 0.6' layer crushed rock, silty clay, glass bottle pieces, orange at 7.0ft BGS							73.6
10	SW-SAND (native), trace gravel/rock	11.00						22.8
12	fragments, medium sand, tan/light brown, low moisture	°°°		3G₽		3.2		17.6
14								18.4
16								
18				4GP		2.9		20.3
20		***		(19-21'\ \JT-002)				15.5
20	- very wet at 21.0ft BGS	• • • • • • • • • • • • • • • • • • • •	V W	JT-002				0.0
22				5GP		2.9		0.0
24	••	*						0.0
ne		26.00		6G₽				0.0
26	END OF BOREHOLE @ 26.0ft BGS	20.00						
28	Temporary well screened from 22.0 to 26.0ft BGS. Screen removed and backfilled on June 18, 2013.							
30	Depth: 6-7ft BGS							
32	Sudan IV test results: negative PID Headspace (ppm): 73.4							
34	Depth: 21-23ft BGS							
	Sudan IV test results: negative PID Headspace (ppm): 0							
36								
38								
NC	OTES: MEASURING POINT ELEVATIONS MAY CHANGE;	REFER TO C	CURRENT ELEVATION TABLE	1	l	1		
	WATER FOUND ♀ CHEMICAL ANALYSIS							



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH54-13

DEPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH	BOREHOLE		ı	SAMI	PLE	
ft BGS	CHANGE AND SECOND HONG REMARKS	ft BGS	BONEFICE	NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
-	TOPSOIL/ROCK SW-SILTY GRAVELLY SAND (FILL), trace	0.50						67.9
-2	clay/rock, medium density, low plasticity, dark gray, medium moisture - 0.25' red brick fragments at 1.1ft BGS			1GP		3.3		57.2
-4			BACKFILLED WITH	46 JT-003				276
-6 -8	SM-SILTY SAND (FILL), trace gravel, high density, low plasticity, dark gray, medium moisture	6.30 7.30	BENTONITE CHIPS	2GP		2.0		20.8
- 10	SW-SILTY GRAVELLY SAND (FILL), trace clay/rock, medium density, low plasticity, dark gray, medium moisture							103
- 12	- 1.5' perched water layer at 10.0ft BGS							11.8
-14				3GP		2.0		12.7
- 16								10.5
- 18	SW-SAND (native), with gravel/rock fragments, medium sand, low moisture	16.60		4GP		3.3		23.4
-20				18.5-20.5 JT-004				13.6
	- Wet at 20.5ft BGS		V Control of the cont					0.8
-22				5GP		2.3		1.5
-24								2.2
26	END OF BOREHOLE @ 26.0ft BGS	26.00						
-28	Temporary well screened from 21.5 to 25.5ft BGS. Screen removed and backfilled on June 18, 2013.							
-30	Depth: 10-12ft BGS Sudan IV test results: negative							
32	PID Headspace (ppm): 11.8							
34	Depth: 20.5-22.5ft BGS Sudan IV test results: negative PID Headspace (ppm): 1.5							
36								
-38								
1	NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; RI WATER FOUND CHEMICAL ANALYSIS	EFER TO C	CURRENT ELEVATION TABLE					



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH55-13

EPTH t BGS	STRATIGRAPHIC DESCRIPTION & REMARKS		DEPTH ft BGS	BOREH	HOLE			SAME		
IBGS			II BGS			NUMBER	INTERVAL	REC (ff)	'N' VALUE	PID (ppm)
2 -	SW-SILTY SAND (FILL), loose, fine, medium and coarse sand, well graded, dark brown to brown black, dry ML-SANDY SILT (FILL), loose, trace fine sand, dark gray to gray, damp		2.00			1GP 24' 3C 011'		3.0		20.1 682
6 8	SP-SILTY SAND (FILL), slightly compact, medium sand, little to some fine sand, poorly graded, gray, moist		5.20		— BACKFILLED WITH BENTONITE CHIPS	2GP		3.8		346 16.6
12	- orange staining at 9.9ft BGS SW-SAND (native), trace fine gravel, loose, fine, medium and coarse sand, well graded, tan/brown, dry		11.00			3GP		4.1		4.2 12. ⁻ 3.5
16						4GP		4.0		72 25 0.0
22 24	- Wet at 24.5ft BGS			∇		5GP 22.5-24.5 JC-012/		3.7		0.0
26						6GP		3.0		0.0
30 — 32 34 36	END OF BOREHOLE @ 30.0ft BGS Temporary well screened from 25.5 to 29.5ft BGS. Screen removed and backfilled on June 18, 2013. Depth: 24.5-26.5ft BGS Sudan IV test results: negative PID Headspace (ppm): 0		30.00					_		
38 <u>N</u> 0	OTES: MEASURING POINT ELEVATIONS MAY CHA	NGE; RI	EFER TO C	CURRENT ELEVA	TION TABLE					



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH56-13

EPTH BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE			SAMI		
1863		11 803		NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
\vdash	ASPHALT	0.25						0.0
2	SP-SAND (FILL), loose, medium sand, trace coarse sand, poorly graded, brown, dry			1GP		2.2		0.0
1		4.70	The same of the sa					0.0
5	SM-SILT/SAND (FILL), fine sand, little medium sand, well graded, gray, damp		BACKFILLEI WITH BENTONITE					0.0
8			CHIPS	2GP		2.1		0.0
10	- brown at 9.7ft BGS	10.00						0.0
	medium and coarse sand, fine gravel, well	10.00						0.0
12	graded, tan/brown, dry			3GP		3.2		0.0
14	•					-		0.0
16				4GP		3.7		0.0
18				40		0.1		0.0
20	් දා					-		0.0
22	• A	,		21-23° JC-013, 5GP				0.0
	- Wet at 23.0ft BGS			5GP		3.4		0.0
24	- increase in fine gravel at 24.0ft BGS							
26	3.							0.0
28	e e e			6GP		3.0		0.0
20	<u> </u>	30 00						0.0
30	END OF BOREHOLE @ 30.0ft BGS	30.00						
32	Temporary well screened from 24.0 to 28.0ft BGS. Screen removed and backfilled on June 19, 2013.							
34								
36	Depth: 23-25ft BGS Sudan IV test results: negative PID Headspace (ppm): 0							
38	1 41 7							
<u>NC</u>	DTES: MEASURING POINT ELEVATIONS MAY CHANGE	E; REFER TO	CURRENT ELEVATION TABLE					
	WATER FOUND ♀ CHEMICAL ANALYSIS							



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH57-13

EPTH BGS	STRATIGRAPHIC DESCRIPTION & REMARKS		DEPTH ft BGS	BOREHOLE			SAMI		_
1000			11 000		NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	TOPSOIL/ROCK	74 y ^x	1.00						4.0
2	SW-SAND (FILL), with gravel/rock, medium sand, low density, tan to brown, low moisture - dark gray, no odor at 1.0ft BGS		1.00		1GP		1.3		2.6
4				BACKFILLED WITH			-		0.0
6	SW-SAND (native), with gravel/rock, medium sand, low density, tan to brown, low moisture	****	6.50	BENTONITE CHIPS	2GP		3.5		0.0
8	, ,								0.0
10									7.1
12					3GP		3.5		0.0
14							1		0.0
16					4GP		3.0		0.0
18									0.0
20					(21.22)				0.0
22	- Wet at 23.0ft BGS			Į	21-23° √17-005, 5GP		3.5		0.0
24									0.0
26					6GP		2.8		0.0
28									0.0
30	ML-SANDY SILT (till), trace gravel/rock, high		31.00				-		0.0
32	plasticity, light brown to dark gray, high moisture SW-SAND (native), with gravel/rock, medium	••••	33.30		7GP		4.3		0.0
34	sand, low density, tan to brown, high moisture						-		0.0
36					8GP		3.3		0.0



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH57-13

EPTH BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE			SAM	_	_
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
40		*						0.0
42				9GP		3.7		0.0
44		**************************************				-		0.0
46		* * * * * * * * * * * * * * * * * * *		10GP		3.6		0.0
48		* * * * * * * * * * * * * * * * * * *						0.0
50 52		• • • • • • • • • • • • • • • • • • • •						0.0
54				11GP		0.0		0.0
56		, , , , , , , , , , , , , , , , , , ,						0.0
58		, , , , , , , , , , , , , , , , , , ,		12GP		2.3		0.0
60	END OF BOREHOLE @ 60.0ft BGS	60.00				-		0.0
62	Temporary well screened from 24.0 to 28.0ft BGS. Screen removed and backfilled on June							
64	19, 2013. Depth: 23-25ft BGS							
66	Sudan IV test results: negative PID Headspace (ppm): 0							
68								
70								
72								
74								
76								
<u>i</u>	NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; WATER FOUND	REFER TO C	CURRENT ELEVATION TABL	.E	ı	1	I	ı



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH58-13

DEPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH	BOREHOLE			SAMI	PLE	
ft BGS		ft BGS	BONELHOLL	NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
-2	ASPHALT/ROCK SW-SAND (FILL), with gravel/rock fragments, fine sand, medium density, dark gray/black,	0.25						0.0
-4	low moisture			1GP		3.5		0.0
_	•••	* * * * * * * * * * * * * * * * * * * *	BACKFILLED WITH			-		0.0
-6 -8			BENTONITE CHIPS	2GP		0.8		0.0
- 10	ML-SANDY GRAVELLY SILT (FILL), dark	10.00						
10	brown, medium moisture SW-SAND (native), with gravel/rock fragments,	11.00						0.0
- 12 - 14	medium sand, tan, low moisture	• • • • • • • • • • • • • • • • • • • •		3GP		3.0		0.0
- 16		• • • • • • • • • • • • • • • • • • • •				-		0.0
- 18		• • • • • • • • • • • • • • • • • • • •		4GP		3.5		0.0
-20	• • • • • • • • • • • • • • • • • • •	, , , , , , , , , , , , , , , , , , ,						0.0
								0.0
-22	- Wet at 23.5ft BGS	• • • • • • • • • • • • • • • • • • • •	V W	5GP 21.5-23.5 JT-009/ JT-010		4.0		0.0
-24		*		31-010		-		0.0
-26	•••••••••••••••••••••••••••••••••••••••			6GP		3.1		0.0
-28		。 。 。 。				0.1		0.0
- 30	END OF BOREHOLE @ 30.0ft BGS	30.00				1		
- 32	Temporary well screened from 24.5 to 28.5ft BGS. Screen removed and backfilled on June 20, 2013.							
- 34	Depth: 21.5-23.5ft BGS							
- 36	Sudan IV test results: negative PID Headspace (ppm): 0							
- 38								
	NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; WATER FOUND	REFER TO (CURRENT ELEVATION TABLE	1	1	1		



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH59-13

EPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	DE	EPTH	BOREHOLE			SAME	PLE	
BGS	STIATION AND DESCRIPTION AND REMARKS	ft E	BGS	BONEFIOLE	NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
-	ASPHALT SW-SILTY GRAVELLY SAND (FILL), medium sand, medium density, brown/orange, low	0.20	0						164
2	moisture - 0.2' glass shards at 0.9ft BGS				1GP (24 (J-006)		3.0		179
<u>.</u>	SP-SAND (FILL), fine sand, dark gray, high moisture	5.50	0	BACKFILLED WITH BENTONITE CHIPS	,				154
,	- high density, 1.2' perched water at 7.5ft BGS				2GP		3.5		61.8
0	SW-SAND (native), with gravel/rock fragments, medium sand, tan/light brown, low moisture	8.30	U						56.
2									19.
4					3GP		3.5		7.7
6									55.
8					4GP		3.5		65.
0									42.
2					20.5-22.5 \JT-007/				36.
4	- Wet at 22.5ft BGS		Ş		5GP		3.8		374



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH59-13

DEPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH	BOREHOLE			SAMI		
ft BGS		ft BGS	BONENGE	NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
26				6GP		2.8		24.0 4.5
30	END OF BOREHOLE @ 30.0ft BGS	30.00				-		3.8
32	Temporary well screened from 23.5 to 27.5ft BGS. Screen removed and backfilled on June 20, 2013.							
34	Depth: 7.5ft BGS Sudan IV test results: negative PID Headspace (ppm): 61.8							
36	Depth: 22.5-24.5ft BGS Sudan IV test results: negative PID Headspace (ppm): 374							
38								
40								
42								
44								
46								
48								
NO ⁻	TES: MEASURING POINT ELEVATIONS MAY CHANGE; WATER FOUND	REFER TO C	URRENT ELEVATION TABL	 E				



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH60-13

EPTH t BGS	STRATIGRAPHIC DESCRIPTION & REMARKS		DEPTH ft BGS	BORE	HOLE		1	SAMI		
						NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	TOPSOIL/ROCK	, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	0.25							
2	SW-SAND (FILL), with gravel/rock fragments, medium density, fine sand, dark gray, low moisture									0.0
4	- 0.2' brick fragments at 1.8ft BGS					1GP		3.0		0.0
5	- 1' perched water in silty sand at 5.8ft BGS				— BACKFILLED WITH BENTONITE CHIPS			-		0.0
3						2GP		2.4		0.0
10								-		0.0
	SW-SAND (native), with rock/gravel, medium sand, tan, low moisture		10.50							0.0
12						3GP		3.5		0.0
14								_		0.0
16						4GP		3.8		0.0
18										0.0
20						(20-22°) JT-021/		-		0.0
22	- Wet at 22.0ft BGS			¥ Walter		5GP		3.4		0.0
24										



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH60-13

## BGS STRATISMAPHIC DESCRIPTION & REMARKS ## BGS #	DEPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH	BOREHOLE			SAMI		
2.8 END OF BOREHOLE @ 30.0ft BGS Temporary well screened from 23.0 to 27.0ft BGS. Screen removed and backfilled on June 19.2013. Depth: 57.5-9.75ft BGS. Sudan IV test results: negative PID Headspace (ppm): 0 Depth: 22-24ft BGS. Sudan IV test results: negative PID Headspace (ppm): 0 42 44 44 46	πBGS		# BGS		NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
28 END OF BOREHOLE @ 30.0ft BGS Temporary well screened from 23.0 to 27.0ft BGS. Screen removed and backfilled on June 19.2013. Depth: 5.75-9.75ft BGS Sudan IV test results: negative PID Headspace (ppm): 0 Depth: 22-24ft BGS Sudan IV test results: negative PID Headspace (ppm): 0 38 40 42 44 46	- 26								0.0
Temporary well screened from 23.0 to 27.0ft BGS. Screen removed and backfilled on June 19, 2013. Depth: 5.75-9.75ft BGS Sudan IV test results: negative PID Headspace (ppm): 0 Depth: 22-24ft BGS Sudan IV test results: negative PID Headspace (ppm): 0 36 40 42 44 46	28				6GP		2.8		0.0
BGS. Screen removed and backfilled on June 19, 2013. Depth: 5.75-9.75ft BGS Sudan IV test results: negative PID Headspace (ppm): 0 Depth: 22-24ft BGS Sudan IV test results: negative PID Headspace (ppm): 0 38 40 42 44 46	30		30.00	WWWWWW					
Sudan IV test results: negative PID Headspace (ppm): 0 Depth: 22-24ft BGS Sudan IV test results: negative PID Headspace (ppm): 0 38 40 42 44 46	32	BGS. Screen removed and backfilled on June							
Sudan IV test results: negative PID Headspace (ppm): 0	-34	Sudan IV test results: negative							
-40 -42 -44 -46	-36	Sudan IV test results: negative							
42 44 46	38								
44 46	40								
44									
46	42								
	44								
.48	-46								
	48								



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH61-13

EPTH BGS	STRATIGRAPHIC DESCRIPTION & REMARKS		DEPTH ft BGS	BOREH	OLE			SAME		
. 500			11 503			NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
\vdash	ASPHALT	NA D	0.25							
· [SM-SILTY SAND (FILL), compact, trace coarse sand, dark gray/black, dry		1.00							0.0
1	SW-SAND (FILL), trace fine gravel, some fine sand and silt, medium to coarse sand, slightly compact, well graded, dry					1GP		2.7		0.0
	compact, well graded, ary				- BACKFILLED					0.0
5	- concrete fragments at 6.0ft BGS				WITH BENTONITE CHIPS					
, -	SW/GW-SAND/GRAVEL (native), loose, fine, medium and coarse sand, fine gravel,		7.00			2GP		2.0		0.0
10	medium and coarse sand, mic graver,									0.0
	- rock fragments at 11.0ft BGS									0.0
12						3GP		3.6		
4										0.6
4										0.0
6	- rock fragments at 16.0ft BGS									
8	- rock fragments at 17.0ft BGS					4GP		4.0		0.0
										0.0
20										
22	- rock fragments at 21.0ft BGS									0.0
	- Wet at 23.2ft BGS			¥		5GP 21.2-23.2 JC-019		4.0		1.0
24						30-019				
26										0.0
28						6GP		2.0		0.0
30			30.00							0.0
30	END OF BOREHOLE @ 30.0ft BGS		50.00							
32	Temporary well screened from 24.2 to 28.2ft BGS. Screen removed and backfilled on June 19, 2013.									
34	Depth: 23.2-25.2ft BGS									
36	Sudan IV test results: negative PID Headspace (ppm): 1.0									
	. 15 Housepass (ppm). 1.0									
38										
NO	DTES: MEASURING POINT ELEVATIONS MAY CHAN	IGE; RE	FER TO C	URRENT ELEVA	TON TABLE					
	WATER FOUND ♀ CHEMICAL ANALYSIS									



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH62-13

EPTH t BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE			SAM		_
1000		11 500		NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	ASPHALT	0.50						22.0
2	SW-SAND (FILL), with gravel/rock fragments, medium sand, low density, dark gray, low moisture	1.60		1GP		3.0		21.8
4	SP-SAND (FILL), fine sand, dark gray/black, low moisture	***						
6	SW-SAND (FILL), with gravel/rock fragments, medium sand, low density, dark gray, low moisture		BACKFILLED WITH BENTONITE CHIPS					23.4
8	- 0.2' red brick fragments at 2.6ft BGS	****		2GP		1.7		0.0
		**** *** ***						0.6
10 12	SW-SAND (native), with gravel, medium sand,	11.00						0.0
	low density, tan, low moisture	*		3G₽		2.8		0.0
14						-		0.0
16				4GP		3.3		0.0
18								0.0
20	- 0.25' dark sand layer at 20.0ft BGS	````						1.8
22	- Wet at 23.5ft BGS	***	V V	5GP 21.5-23.5 ЛТ-008		3.8		1.1
24								0.0
26		**** **** ***		6GP		3.8		0.0
28								0.0
30	• • • • • • • • • • • • • • • • • • •					1		0.0
32	CL-CLAY (till), high density, high plasticity, brown/gray, high moisture	32.00 33.00		7GP		3.0		0.0
34	ML-SILT, with sand and gravel, medium density, brown/gray, low moisture							0.0
36	- very wet at 36.0ft BGS	27.25						0.0
38	CL-CLAY (till), high density, high plasticity, brown/gray, high moisture	37.25 38.75		8GP		4.3		
1	NOTES: MEASURING POINT ELEVATIONS MAY CHANGE WATER FOUND ♀	; REFER TO C	CURRENT ELEVATION TABLE					



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH62-13

EPTH	STRATIGRAPHIC DESCRIPTION & REMARKS		DEPTH	BOREHOLE			SAMI	PLE	
BGS			ft BGS	BONEFICE	NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
10	SW-SAND (native), with gravel, medium sand,	****							0.0
40	low density, tan, low moisture								0.0
14					9GP		2.8		0.0
46							_		0.0
18					10GP		3.1		0.0
50									0.0
52	CL-CLAY (till), high density, high plasticity,	1////	51.80						0.0
54	brown/gray, high moisture SW-SAND, with gravel, medium sand, low density, tan, low moisture		52.60		11GP		3.0		0.0
56							-		0.0
58					12GP				
50 -	END OF BOREHOLE @ 60.0ft BGS	****	60.00				_		
52	Temporary well screened from 24.5 to 28.5ft BGS. Screen removed and backfilled on June								
64	20, 2013.								
66									
88									
70									
72									
74									
76									
N	NOTES: MEASURING POINT ELEVATIONS MAY CHAP	NGE: RE	FER TO C	URRENT ELEVATION TABL	 E				
	WATER FOUND ♀	, -							



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH63-13

DEPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH	BOREHOLE			SAMI	PLE	
ft BGS	STIANGIAL THE BESCHIEF HOW & NEWAKKS	ft BGS	BONEHOLL	NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
- - -2	GRAVEL SW-SAND (FILL), loose, medium-coarse sand, trace fine sand and fine gravel, well graded ML-SILT (FILL), compact, dark gray, dry	0.25 1.00		1GP		4.0		1
-4 -4 	SM-SAND/SILT (FILL), slighly compact, fine sand, well graded, dark brown/dark gray	4.00	BACKFILLED WITH					22.1
-8			BENTONITE CHIPS	2GP		2.0		2.3
-10	- glass at 9.7ft BGS - silt, moist at 9.9ft BGS SW-SAND (native), loose, fine-medium-coarse	10.00				-		2.2
- 12 - 14	sand, little to some fine gravel, well graded, tan/off-white/brown, dry			3GP		3.0		8.0
- 16								8.0
- 18				4GP		4.0		2.3
-20								0.4
- 22	SP-SAND (native), loose, medium sand, trace	22.00						0.0
-24	to little coarse sand, poorly graded, brown, dry GW/SW-GRAVEL/SAND (native), loose, fine gravel, medium-coarse sand, brown, wet	22.50		5GP (23-25) JC-020)		3.0		0.0
-26	- water table/wet at 25.0ft BGS		¥					0.0
-28				6G₽		2.5		0.0
-30	END OF BOREHOLE @ 30.0ft BGS	30.00				_		
-32	Temporary well screened from 26.0 to 30.0ft BGS. Screen removed and backfilled on June 20, 2013.							
- 34	Depth: 25-27ft BGS Sudan IV test results: negative							
- 36	PID Headspace (ppm): 0							
-38								
!	NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; RE WATER FOUND CHEMICAL ANALYSIS CHEMICAL ANALYSIS	EFER TO (CURRENT ELEVATION TABLE					



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH64-13

EPTH t BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE		1	SAMI		
		11 803		NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
2	ASPHALT SP-SAND (FILL), trace silt, slightly compact, fine grained, - glass pieces at 2.0ft BGS	0.25	■ BACKFILLED	1GP		3.0		0.0
3	SW-SAND (FILL), trace silt, trace fine gravel, little to some coarse sand, fine to medium sand, dark gray/brown, dry SW-SAND (native), little to some fine gravel,	5.20 9.20	WITH BENTONITE CHIPS	2GP		2.5		0.8 2.2 0.3
10 12 14	loose, fine, medium and coarse sand, well graded, tan/brown, dry			3GP		3.8		0.2
18				4GP		4.0		2.6 2.7 0.8
20 22 24	- increase in fine to coarse gravel, wet at 24.0ft		₽	5GP 22-24 JC-016		3.4		0.0
26 28				6GP		2.0		0.0
36	END OF BOREHOLE @ 30.0ft BGS Temporary well screened from 25.0 to 29.0ft BGS. Screen removed and backfilled on June 19, 2013. Depth: 24-26ft BGS Sudan IV test results: negative PID Headspace (ppm): 0	30.00						
- 32 34 	BGS. Screen removed and backfilled on June 19, 2013. Depth: 24-26ft BGS Sudan IV test results: negative	REFER TO C	CURRENT ELEVATION TABLE					



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH65-13

EPTH BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE			SAMI		
I BGS		II BGS		NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	TOPSOIL	0.25						
2	SW/GW-SAND/GRAVEL (FILL), loose, fine to medium to coarse sand, fine gravel, well graded, brown/tan, dry - yellow/orange/red staining at 2.1ft BGS	2.00		1GP		3.5		0.5
4	SP-SAND (FILL), trace silt, compact, fine sand, poorly graded, black, dry		BACKFILLED			-		0.0
6	CL-CLAY (FILL), silty, cohesive, soft, damp,	6.50	WITH BENTONITE CHIPS	005		0.7		0.0
3	dark gray/black			2GP		2.7		0.0
10	- glass, medium sand at 9.8ft BGS SW/GW-SAND/GRAVEL (native), loose, fine to medium to coarse sand, fine gravel, well	10.00						0.0
12	graded, brown/tan, dry			3GP		3.0		0.0
14								0.0
16				4GP		3.9		1.1
18								1.1
20								0.9
22		0		_5GP_ 22.1-24.1 VIC-031/		3.7		0.8
24	- water table/wet at 24.1ft BGS							0.0
26				6GP		2.8		0.0
28				004		2.0		0.0
30	END OF BOREHOLE @ 30.0ft BGS	30.00	<i>VESCHSCHS</i> 3 					
32	Temporary well screened from 25.1 to 29.1ft BGS. Screen removed and backfilled on June 20, 2013.							
34	Depth: 24.1-26.1ft BGS Sudan IV test results: negative							
36 38	PID Headspace (ppm): 0							
	NOTES MEASURING POINT FUE MEASURING		NUMBER THE STATISTICS					
<u>!</u>	NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; R WATER FOUND ▼	EFER TO (JURRENT ELEVATION TABLE					



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH66-13

DEPTH	STRATIGRAPHIC DESCRIPTION & REMARKS		DEPTH	BOREH	IOI F			SAME	PLE	
ft BGS			ft BGS	BONE		NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
-2	SW-SAND (FILL), loose, medium and coarse sand, well graded, dark gray, dry SP-SAND (FILL), loose, fine grained, little medium sand, poorly graded, black, dry, odor		2.00		- BACKFILLED	1GP		4.0		154 66 132.9
8					WITH BENTONITE CHIPS	2GP		3.5		169
12						(10-12°) JC-054 3GP		3.0		492 570 392
16 18						4GP		3.0		342 47
20 22 24	SW/GW-SAND/GRAVEL (native), loose, medium and coarse sand, fine gravel, well graded, brown, dry - cobble limestone at 23.5ft BGS		22.00	Ā		.5GP 22-24')C-055/		3.5		68 13.2 1.8
26 28	- water table, wet at 24.0ft BGS					6GP		3.0		1.1
30	- coarse gravel at 29.0ft BGS END OF BOREHOLE @ 30.0ft BGS	****	30.00					-		0.5
32	Temporary well screened from 25.0 to 29.0ft BGS. Screen removed and backfilled on June 26, 2013.									
34	Depth: 24-26ft BGS Sudan IV test results: negative PID Headspace (ppm): 1.1									
38										
1	NOTES: MEASURING POINT ELEVATIONS MAY CHAN WATER FOUND CHEMICAL ANALYSIS	GE; RE	EFER TO C	CUPRENT ELEVA	TION TABLE					



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH67-13

DEPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH	BOREHOLE			SAMI		
ft BGS		ft BGS	00.00.00	NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	SW-SAND (FILL), loose, fine sand, trace-little coarse sand, well graded, dark brown/tan-brown, dry							53.
2				1GP		4.0		13
4	- silt increase, trace fine gravel at 4.0ft BGS SM-SAND/SILT (FILL), compact, fine sand,	5.00	BACKFILLED WITH			-		14.
6	black, dry - glass pieces at 7.0ft BGS	용해 보여 11일	BENTONITE CHIPS					25.
8				7.9°)C-032		4.0		39
10	SW-SAND (FILL), loose, trace silt, fine and medium sand, well graded, dark gray-off white concrete at 10.1ft BGS	9.50						28
12	- concrete at 10.11t BGS			3GP		2.0		
14	• • • • • • • • • • • • • • • • • • •							21
16	。 6 6							14
18				4GP		2.0		7.
20 –	SW/GW-SAND/GRAVEL (native), medium and	20.00				-		5.
22	coarse sand, fine gravel, well graded, brown, dry			21-23° JC-033 5GP		2.5		0.
24	- water table/wet at 23.0ft BGS			5632		2.0		0.
26						-		0.
28	SW-SAND (native), trace fine gravel, loose, medium and coarse sand, well graded, brown, wet	26.50		6GP		2.5		0.0
30	• • • • • • • • • • • • • • • • • • •	30.00						0.0
32	END OF BOREHOLE @ 30.0ft BGS Temporary well screened from 24.0 to 28.0ft							
	BGS. Screen removed and backfilled on June 21, 2013.							
34	Depth: 23-25ft BGS Sudan IV test results: negative							
36	PID Headspace (ppm): 0.6							
38								
<u>N</u>	OTES: MEASURING POINT ELEVATIONS MAY CHANGE; WATER FOUND	REFER TO C	CURRENT ELEVATION TABLE					



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH68-13

EPTH BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE			SAM		
		11 803		NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	GP-GRAVEL (FILL)	0.25						
2	SP-SILTY SAND (FILL), loose, medium sand, trace fine sand, well graded, black, dry ROCK FRAGMENTS (FILL) SW-SAND (FILL), trace fine gravel, fine,	1.50		(0.52.5\ \JC-017/				237
	medium and coarse sand, well graded, black to dark brown, dry, dirty			1GP		3.1		4.0
1			■ BACKFILLED WITH			_		4.9 6.3
6		, , , , , , , , , , , , , , , , , , ,	BENTONITE CHIPS					0.0
3		, , , , , , , , , , , , , , , , , , ,		2GP		2.9		1.4
0	SP-SAND (FILL), medium sand, trace coarse sand and gravel, poorly graded, black, moist - perched water, slight odor from 9.5 to 14.5ft BGS	9.00						8.0
2	SW-SAND (native), loose, little fine gravel, fine, medium and coarse sand, well graded, gray/off-white/tan, moist							30.
				3GP		3.2		52.
14								27.
16		17 00						35.
18	ROCK FRAGMENTS, and flour SP-SAND (native), loose, medium sand, trace coarse sand, poorly graded, brown, dry, slight odor	17.00 17.30		4GP		3.6		
20		್ಲು 20.00						22.
	medium and coarse sand, fine gravel, well graded, gray, moist	20.00						14.2
22	to the second se			5GP 21.5-23.5 JC-018		4.0		8.6
24	- wet at 23.5ft BGS - rock fragments at 24.5ft BGS		¥					



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH68-13

DEPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH	BOREHOLE			SAMI	PLE	
ft BGS	CHATICION THE BESSAL FISH & REIN WAR	ft BGS	BONEROLE	NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
26	 							0.7
-28	୍ରି . " ଗ ୭° ୯ ୪ ଫ			6GP		3.0		0.4
30	END OF BOREHOLE @ 30.0ft BGS	30.00				1		
32	Temporary well screened from 24.5 to 28.5ft BGS. Screen removed and backfilled on June 20, 2013.							
34	Depth: 9-10ft BGS Sudan IV test results: negative PID Headspace (ppm): 0.8							
36	Depth: 13-14ft BGS Sudan IV test results: positive PID Headspace (ppm): 52.2							
38	Depth: 23.5-25.5ft BGS Sudan IV test results: negative PID Headspace (ppm): 8.6							
30								
40								
42								
44								
46								
48								
<u>NO</u>	TES: MEASURING POINT ELEVATIONS MAY CHANGE WATER FOUND ♀	REFER TO C	L CURRENT ELEVATION TABLE	<u> </u>		I		



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH69-13

EPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	6	DEPTH	BORE	HOLE			SAMI	г т	
t BGS			ft BGS			NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	ASPHALT SW-SAND (FILL), trace silt, fine to medium		0.25							
	sand, well graded, dark brown/black, dry	****								1.5
2		****								1.5
						1GP		2.5		ı
										1.1
1										ı
	- perched water from 5.0 to 6.0ft BGS				— BACKFILLED					1.3
	,				WITH BENTONITE CHIPS					ı
6			6.50		CHIPS					ı
	SW/GW-SAND/GRAVEL (native), little silt, loose, fine, medium and coarse sand,	30.00								0.0
3	brown/tan, dry	,				2GP		3.0		ı
										ı
										0.0
10								-		Ī
		Ü								0.0
										i.
12						3G₽		4.2		Ī
										0.0
14										ı
										Ī
										0.7
16										Ī
										1.0
18						4GP		3.7		ı
										ı
										0.0
20								-		ı
										1.7
						21-23'\				1
22]] 				21-23' JC-035/ JC-038 5GP		3.0		ı
	- wet at 23.0ft BGS									2.3
24										ı
	- gray staining, odor from 24.7 to 25.4ft BGS									ı
	NOTES: MEASURING POINT ELEVATIONS MAY CH		EFER TO C	CURRENT ELEVA	TION TABLE	I	<u> </u>	1		
	WATER FOUND ♀ CHEMICAL ANALYSIS									



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH69-13

DEPTH		DEPTH				SAM	PLE	
ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ft BGS	BOREHOLE	NUMBER	INTERVAL	REC (ft)	N' VALUE	PID (ppm)
-26 -26 28	SW-SAND (native), loose, medium to coarse sand, well graded, brown, wet	26.50		6GP	2	3.0	2	6.3
-30 	END OF BOREHOLE @ 30.0ft BGS Temporary well screened from 24.0 to 28.0ft BGS. Screen removed and backfilled on June 21, 2013.	30.00						
- - - - 34	Depth: 23-25ft BGS Sudan IV test results: positive PID Headspace (ppm): 6.3							
- - -36 -								
- -38 - -								
40 42								
42 44								
- - - - 46 -								
-48								
<u>NC</u>	DTES: MEASURING POINT ELEVATIONS MAY CHANGE; WATER FOUND CHEMICAL ANALYSIS	REFER TO C	CURRENT ELEVATION TABLE	<u> </u> =				



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH70-13

EPTH BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE			SAM		
		K 500		NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
2	ASPHALT SW-SAND (FILL), loose, fine to medium sand, little coarse sand, well graded, dark brown to black, dry - glass pieces at 1.0ft BGS SP-SILTY SAND (FILL), slightly compact, fine sand, little medium sand, poorly graded, dark	0.25 1.00	■ BACKFILLED	1GP		2.5		1.0 1.0 0.0
6 8	gray, dry SW-SILTY SAND (native), trace clay, little fine gravel, medium to coarse sand, well graded, brown, dry CL-SILTY CLAY (native), little coarse sand,	5.70 7.00	WITH BENTONITE CHIPS	2GP		4.0		0.0
10	cohesive, brown, dry - rock at 6.0ft BGS SW/GW-SAND/GRAVEL (native), loose, fine, medium and coarse sand, fine gravel, well					_		0.4
12	graded, tan/brown, dry			3GP		3.8		0.0
16 18				4GP		4.0		0.0
20				(1920° JC-034)				0.0
22	SP-SAND (native), loose, medium sand, poorly graded, brown, wet - 1/8" iron staining at 22.7ft BGS	22.50	V Control of the cont	5GP		2.9		0.0
26 28	- 1/4" iron staining at 27.0ft BGS			6GP		3.2		0.0
30 32								0.0
34 36	CL-CLAY (native), trace coarse sand, cohesive, gray, dry SW/GW-SAND/GRAVEL (native), loose, well graded, medium to coarse sand, fine gravel, brown, dry	32.50 33.60		7GP		3.8		0.0
38				8GP		0.0		0.0



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH70-13

DEPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH	BOREHOLE		Г	SAMI	TLE	
ft BGS		ft BGS		NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
-40 -42 -44				9GP		3.8		0.0
-46 -48 -50				10GP		3.0		0.0
- 52 - 54				11GP		2.5		0.0
- 56 - 58 - 60		60.00		12GP		2.5		0.0
-62	END OF BOREHOLE @ 60.0ft BGS Temporary well screened from 23.5 to 27.5ft BGS. Screen removed and backfilled on June 21, 2013.	60.00						
- 64 - 66	Depth: 22.5-24.5ft BGS Sudan IV test results: negative PID Headspace (ppm): 0							
-68	Depth: 30.5-32.5ft BGS Sudan IV test results: negative PID Headspace (ppm): 0							
- 70 - 72	Depth: 33.6-35ft BGS Sudan IV test results: negative PID Headspace (ppm): 0							
-74								
-76	NOTES: MEASURING POINT ELEVATIONS MAY CHANG	OE. BEEE TO	CHIRENT SERVATION TO SE					



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH71-13

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE			SAM		
1 603		11 803		NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	PAVEMENT/ROCKS	0.50						0.0
_	SW-SILTY GRAVELLY SAND (FILL), medium density, low plasticity, brown/dark gray, low	*						0.0
2	moisture	*		1GP		3.5		
,	- 0.1' thick layer of fine sand, dark gray at 0.6' BGS	* * * *						0.0
4		*	DACKELLIED					0.0
	SP-SAND (FILL), low density, medium sand,	5.50	BACKFILLED WITH					0.0
6	dark gray/black, low moisture	6.75	BENTONITE CHIPS					0.0
	SP-SAND (FILL), low density, fine grained, white, low moisture	7.00		2GP		3.2		0.0
В	SW-SAND (native), with gravel/rock fragments,	*						0.0
10	low density, medium sand, tan/brown, low 💃 🕻 •	***						0.0
10	moisture .*	* * * * * * * * * * * * * * * * * * *						0.0
12								0.0
'-	, ° •	• • • • • • • • • • • • • • • • • • • •		3GP		3.4		0.0
14	•••	• • • •						0.0
``								0.0
16	 							
	•••	* * * *						0.0
18				4GP		3.9		
.	 	• • • •						0.2
20	•••	* * * *				_		
	 	* * * *						0.0
22	• •	 				l		
				5GP 21.5-23.5 JT-025		3.2		0.0
24	- water table at 23.5ft BGS	• • • • • • • • • • • • • • • • • • • •	*	31-025				
	•••	* * * *				-		0.0
26								
	 			000		3.0		0.0
28	• •	 		6GP		3.0		
		* * * *						0.0
30	, . , . , .	*. 				-		
	ML-SILT (TILL), with sand & gravel, high	្លំ៖ 11 31.25						0.0
32	density, low plasticity, gray, high moisture			7GP		2.4		
		32.75						0.0
34	low density, medium sand, tan/brown, low moisture	*, *, . 						
	• •					1		0.0
36	 - -	***						
	 - -	* <i>*</i> * *		8GP		3.2		0.0
38	•••	, , , , , , , , , , , , , , , , , , ,				-		
	ا <u>NOTES:</u>	· REFER TO C	L <i>VIJIVIIV</i> I CURRENT ELEVATION TARLE	1				<u> </u>
	WATER FOUND W	.,						



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH71-13

EPTH BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE		1	SAMI		
l BGS		11 003	VIIIIII	NUMBER	INTERVAL	REC (ft)	'N' VALUE	S PID (ppm)
40						-		0.0
42				9GP		3.0		0.0
44								0.0
16				10GP		3.5		0.0
48						0.0		0.0
50						1		0.0
52 54				11GP		3.0		0.0
56	•					-		0.0
58	• • • • • • • • • •			12GP				0.0
60 -	FAID OF PODELIOLE & CO OF DOC	60.00						0.0
62	END OF BOREHOLE @ 60.0ft BGS Temporary well screened from 24.5 to 28.5ft BGS. Screen removed and backfilled on June							
64	20, 2013. Depth: 23.5-25.5ft BGS							
66	Sudan IV test results: negative PID Headspace (ppm): 0							
68								
70								
72								
74								
76								
<u> </u> <u>1</u>	NOTES: MEASURING POINT ELEVATIONS MAY CHANGE WATER FOUND	; REFER TO C	URRENT ELEVATION TABL	<u> </u> E				



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH72-13

DEPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH	BOREHOLE		ı	SAMI	PLE	
ft BGS		ft BGS		NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	TOPSOIL SW-SAND(FILL), with gravel/rock, medium sand, brown, low moisture	1.50						0.0
2	SP-SAND (FILL), low density, fine sand, dark gray/black, low moisture	2.00		1GP		3.3		0.0
6	ML-SILT (FILL), with sand & gravel, medium density, low plasticity, brown/gray, medium moisture	6.25	BACKFILLEI WITH BENTONITE			-		0.0
8	SP-SAND (FILL), low density, fine sand, dark gray/black, low moisture SW-SAND (native), with gravel/rock fragments,	0.23	CHIPS	2GP		3.0		40.6
10	trace silt, low density, medium sand, tan/light brown, low moisture					-		2.0
12				3GP		3.5		0.0
14								0.0
16								0.0
18				4GP		3.8		0.0
20	- water table at 20.8ft BGS		V V	18.75-20.7 \ЛТ-026)				1.1
22	- strong odors and staining, petrol type odor, black at 22.3ft BGS			5GP		3.0		32.9
24	**** *** ***	26.00						70.4
28	END OF BOREHOLE @ 26.0ft BGS Temporary well screened from 21.75 to 25.75ft	20.00						
30	BGS. Screen removed and backfilled on June 20, 2013.							
32	Depth: 20.75-22.75ft BGS Sudan IV test results: positive PID Headspace (ppm): 32.9							
34								
36								
38								
1	NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; WATER FOUND	REFER TO C	CURRENT ELEVATION TABLE					



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH73-13

DEPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH	BOREHOLE			SAMI	PLE	
ft BGS	STIATIONALING DESCRIPTION & NEWARKS	ft BGS	BONEFICE	NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
- - - - 2 - - - - - -	PAVEMENT SW-SAND (FILL), with gravel/rock fragments, low density, medium sand, brown/tan, low moisture	0.20		1GP		2.9		2.0
	- perched water, 1.0' thick at 6.3ft BGS SW-SAND (native), with gravel/rock fragments, low density, medium sand, tan, low moisture	7.50	BACKFILLED WITH BENTONITE CHIPS	2GP		2.8		0.0 7.1 0.7
10 				3GP		3.2		0.0
-16 -18				4GP 18.5-20.5 JT-024		2.6		0.0 6.3 0.9
-20 -22 -24	- water table at 20.3ft BGS - gray section, 0.3' thick at 20.4ft BGS - orange sands, down to 26.0' at 21.5ft BGS		□ □	5GP		1.8		32.9
-26	END OF BOREHOLE @ 26.0ft BGS	26.00						70.4
- 28 - 30 - 32 - 34 - 36	Temporary well screened from 21.5 to 25.5ft BGS. Screen removed and backfilled on June 20, 2013. Depth: 6.33-7.33ft BGS Sudan IV test results: negative PID Headspace (ppm): 7.1 Depth: 20.5-22.5ft BGS Sudan IV test results: negative PID Headspace (ppm): 0							
-38 - <u>NO</u>	OTES: MEASURING POINT ELEVATIONS MAY CHANGE; I WATER FOUND ↓	REFER TO (CURRENT ELEVATION TABLE					



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH74-13

DEDTU		DEDTU				SAMI	PLE	
DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE	<u>د</u>				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
_	PAVEMENT/ROCKS	0.20 0.80		0.2° JI-022				372
- -2	SW-SAND (FILL), trace gravel/rocks, brown, low moisture	2.10						
_ _ 4	SP-SAND (FILL), high/medium desity, fine sand, black, low moisture			1GP		3.3		165
- 1	SW-SAND (FILL), trace gravel, medium sand, brown,		BACKFILLED WITH					66.0
<u></u> 6 - -	ML-SANDY SILT (FILL), high density, dark gray/brown, medium moisture	6.00 7.00	BENTONITE CHIPS	2GP		3.3		29.6
8 	SW-SAND (native), with gravel.rocks, low density, medium sand, tan/light brown, low moisture			2042		3.3		41.3
<u></u> 10 								0.0
12 14				3GP		0.0		0.0
- - -						_		41.3
16 				4GP		4.0		29.8
<u></u> 18 								23.6
─20 -	- water table at 21.0ft BGS		V WWW	(19-21') Л-023)		1		23.1
_ 22 	- water table at 21.0it bgs							23.1
- - 24				5GP		3.1		3.6
								3.4
-26 -	END OF BOREHOLE @ 26.0ft BGS	26.00				-		
-24 -26 -28 -30 -32 -34 -36	Temporary well screened from 22.0 to 26.0ft BGS. Screen removed and backfilled on June 20, 2013.							
_ 30	Depth: 21-23ft BGS							
_ 32	Sudan IV test results: negative PID Headspace (ppm): 23.1							
_ _ 34								
_ _ _ 36								
— 38 -								
38 	NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REWATER FOUND VALUE OF THE PROPERTY OF THE P	EFER TO C	CURRENT ELEVATION TABLE					
	CHEMICAL ANALYSIS							



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH75-13

DEPTH	STRATIGRAPHIC DESCRIPTION & REMARKS		DEPTH	BORE	HOI F			SAME	PLE	
ft BGS			ft BGS	DOINE.		NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
-	TOPSOIL	, 'y, y''. '	0.50			02 J-045)				66.0
2	SW-SILTY SAND (FILL), with gravel, trace rock fragments, low density, dark gray/black, low moisture		3.00			√JT-045/ 1GP		3.5		33.8
4	SP-SAND (FILL), medium to high density, medium sand, dark gray/black, low moisture									
				│	— BACKFILLED WITH					18.4
8					BENTONITE CHIPS	2GP		2.8		59.6
10										10.1
12	SW-SILTY SAND (FILL), with rock/gravel, glass fragments, low density, dark gray/black, low moisture		10.50							35.2
14						3G₽		1.8		0.0
	- 1.75' perched water at 15.3ft BGS									0.0
16	- 0.25' wood fragments, increase in moisture content at 16.0ft BGS					4GP		2.5		0.0
18										0.0
20	SW-SAND (native), with gravel/rock fragments, medium sand, tan, low moisture	• • • • • • • • • • • • • • • • • • • •	20.00			20-22 JT-046)		_		0.0
22	- wet at 22.0ft BGS					5GP		2.8		0.0
24								_		0.0
26						6GP		3.0		0.0
30										0.0
		8000								0.0
32	CL-CLAY, high density, moderate plasticity, gray, low moisture		31.75			7GP		4.5		0.0
34										0.0
36						8G₽		4.4		0.0



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH75-13

DATE COMPLETED: June 25, 2013
DRILLING METHOD: GEOPROBE
FIELD PERSONNEL: J. TEEPEN

1895	DEPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH	BOREHOLE			SAM	PLE	
### SW-SAND (native), with gravel/rock fragments, medium grained, tan, low moisture ### ### ### ### ### ### ### ### ### #	ft BGS	THATIGIAL TILE DESCRIPTION & REMARKS	ft BGS	BONEITOLL	NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
medium grained, tan, low moisture 44 46 48 50 60 60 60 60 60 60 60 60 60	_	SW-SAND (native), with gravel/rock fragments,	41.50						0.0
46 48 48 48 50 50 51 52 52 54 554 ML-SILT (till), with sand and gravel, high density, gray, high moisture 55 60 SW-SAND (native), with gravel/rock fragments, medium grained, tan, low moisture END of BORENDLE @ 60.0ft BGS 62 Temporary well screened from 23.0 to 27.0ft BGS. Screen removed and backfilled on June 25, 2011. 64 Depth: 15.25-17ft BGS Sudan IV test results: negative PID Headspace (ppm): 0 65 Depth: 22.24ft BGS Sudan IV test results: negative PID Headspace (ppm): 0 67 68 Depth: 22.24ft BGS Sudan IV test results: negative PID Headspace (ppm): 0 68 Temporary well screened from 25 to 27.0ft BGS Sudan IV test results: negative PID Headspace (ppm): 0 68 Temporary well screened from 25 to 27.0ft BGS Sudan IV test results: negative PID Headspace (ppm): 0		medium grained, tan, low moisture			9GP		3.5		0.0
### Add	-46								0.0
11GP 4.0 0.0					10GP		3.5		0.0
ML-SILT (till), with sand and gravel, high density, gray, high moisture SW-SAND (native), with gravel/rock fragments, medium grained, tan, low moisture END OF BOREHOLE @ 60.0ft BGS Temporary well screened from 23.0 to 27.0ft BGS. Screen removed and backfilled on June 25, 2013. Depth: 15.25-17ft BGS Sudan IV test results: negative PID Headspace (ppm): 0 Depth: 22-24ft BGS Sudan IV test results: negative PID Headspace (ppm): 0 70 71 72 73 Temporary well screened from 23.0 to 27.0ft BGS. Screen removed and backfilled on June 25, 2013.									0.0
ML-SILT (till), with sand and gravel, high density, gray, high moisture SW-SAND (native), with gravel/rock fragments, medium grained, tan, low moisture END OF BOREHOLE @ 60.0ft BGS Temporary well screened from 23.0 to 27.0ft BGS. Screen removed and backfilled on June 25, 2013. Depth:15.25-17ft BGS Sudan IV test results: negative PID Headspace (ppm): 0 Depth: 22-24ft BGS Sudan IV test results: negative PID Headspace (ppm): 0 Depth: 25.2013.	54		5.00		11GP		4.0		0.0
SW-SAND (native), with gravel/rock fragments, medium grained, tan, low moisture END OF BOREHOLE @ 60.0ft BGS Temporary well screened from 23.0 to 27.0ft BGS. Screen removed and backfilled on June 25, 2013. Depth:15.25-17ft BGS Sudan IV test results: negative PID Headspace (ppm): 0 Depth: 22-24ft BGS Sudan IV test results: negative PID Headspace (ppm): 0 70 72 74 76	56	ML-SILT (till), with sand and gravel, high	55.00		4000		1		0.0
END OF BOREHOLE @ 60.0ft BGS Temporary well screened from 23.0 to 27.0ft BGS. Screen removed and backfilled on June 25, 2013. Depth: 15.25-17ft BGS Sudan IV test results: negative PID Headspace (ppm): 0 Best Depth: 22-24ft BGS Sudan IV test results: negative PID Headspace (ppm): 0 PID Headspace (ppm): 0	-	SW-SAND (native), with gravel/rock fragments,	`		12GP		4.5		0.0
BGS. Screen removed and backfilled on June 25, 2013. Depth:15.25-17ft BGS Sudan IV test results: negative PID Headspace (ppm): 0 Best Sudan IV test results: negative PID Headspace (ppm): 0 Depth: 22-24ft BGS Sudan IV test results: negative PID Headspace (ppm): 0 70 71 72 74 75		END OF BOREHOLE @ 60.0ft BGS	60.00						
Sudan IV test results: negative PID Headspace (ppm): 0 Depth: 22-24ft BGS Sudan IV test results: negative PID Headspace (ppm): 0 PID Headspace (ppm): 0		BGS. Screen removed and backfilled on June							
Sudan IV test results: negative PID Headspace (ppm): 0 72 74 76	-66	Sudan IV test results: negative							
72 74 76		Sudan IV test results: negative							
76									
	74								
NOTES AFTER DELICION DE LA TIENE MAN OLIVADO DE LA TIENE DE LA TIE	76								
NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE WATER FOUND $\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	<u> </u> <u>1</u>		; REFER TO	CURRENT ELEVATION TABL	 E				



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH76-13

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPT ft BGS		<u> </u>	1 -	SAM	PLE	
		il BG.	'	NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	SW-SAND (FILL), loose, fine, medium and coarse grained, well graded, gray, dry							1.1
2	SP-SAND (FILL), loose, fine sand, poorly graded, black, dry	1.70		1Gi	5	4.0		1.1
	CONCRETE POWDER & ROCK	2.30						17.9
4		4 4						
_	SW-SAND (FILL), loose, fine to medium sand, well graded, black, dry	5.20	BACKF WITH BENTO CHIPS					1.3
6	wen graded, black, dry		CHIPS					6.5
8				2Gi	>	2.8		6.5
	- 3" medium sand, brown at 8.5ft BGS			8-16 JC-0	50			70
10								
								10.1
12				3G		2.0		
				33		2.0		
14								4.2
16								0.7
18				4Gi	>	3.1		0.7
10				(18-2 UC 0	Ď,			0.1
20				(Jo	<u></u>			0.6
								0.0
22						3.0		
	- wood fragments at 23.3ft BGS		* 1444	5Gi		3.0		0.0
24	- increase in silt content at 23.5ft BGS							1.6
	NOTES: MEASURING POINT ELEVATIONS MAY CHANG WATER FOUND	BE; REFER TO	 CURRENT ELEVATION TA	BLE			1	<u> </u>



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH76-13

DEPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH	BOREHOLE			SAMI	PLE	
ft BGS	CHANNEL MEDICENTIAL MENTAL MEN	ft BGS	BOILEHOLL	NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
26	- some coarse gravel at 25.7ft BGS CL-CLAY (native), cohesive, low plasticity, brown/gray, dry	26.00		6GP		4.0		0.0
30 -	END OF BOREHOLE @ 30.0ft BGS Temporary well screened from 23.5 to 27.5ft BGS. Screen removed and backfilled on June 26, 2013.	30.00	<i>VLUIUI</i> 23					
34	Depth: 22.5-24.5ft BGS Sudan IV test results: negative PID Headspace (ppm): 0.0 Depth: 24-26ft BGS							
36	Sudan IV test results: negative PID Headspace (ppm): 1.6							
38								
42								
44								
46								
48								
<u>NC</u>	DTES: MEASURING POINT ELEVATIONS MAY CHANGE WATER FOUND	; REFER TO C	CURRENT ELEVATION TABLE	<u> </u>				



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH77-13

DATE COMPLETED: June 25, 2013 DRILLING METHOD: GEOPROBE FIELD PERSONNEL: J. TEEPEN

EPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH	BOREHOLE		ı	SAMI		ı
t BGS		ft BGS		NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	TOPSOIL	0.20						0.0
2	SP-SAND (FILL), trace gravel, high density, fine to medium sand, dark gray/black, low moisture			1GP		4.1		0.0
4			BACKFILLED WITH			-		0.0
6	SW-SAND (FILL), with gravel/rock, garbage,	7.00	BENTONITE CHIPS	2GP		2.0		0.0
8	etc, low density, medium sand, dark gray/black, low moisture							0.0
10								0.0
14				3GP		1.7		0.0
16								0.0
18	- 0.1' light gray layer with chemical odor at 16.9ft BGS			4GP		2.1		18.5
20						-		0.0
22	SW-SAND (native), with silt, gravel/rock fragments, low density, medium sand, dark brown/gray, high moisture - wet at 22.0ft BGS	21.00	V	20-22 JT-047/ 5GP		2.5		20.9
24						-		
26				6GP		3.7		0.0
28 30 -		30.00						0.0
	END OF BOREHOLE @ 30.0ft BGS	30.00						
32	Temporary well screened from 23.0 to 27.0ft BGS. Screen removed and backfilled on June 26, 2013.							
34	Depth: 22-24ft BGS Sudan IV test results: negative							
36	PID Headspace (ppm): 20.9							
38								
<u></u>	NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; RE WATER FOUND CHEMICAL ANALYSIS	EFER TO C	CURRENT ELEVATION TABLE					



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH78-13

DATE COMPLETED: June 25, 2013
DRILLING METHOD: GEOPROBE
FIELD PERSONNEL: J. TEEPEN

EPTH BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE			SAMI		
1 1 1 1 1 1 1		11 000		NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	SW-SAND (FILL), with gravel/blacktop fragments, low density, medium sand, dark	1.25						45.6
2	gray, low moisture ML-SILT (FILL), with sand, medium density, dark gray/black, low moisture	1.70 2.00 2.70		1GP		2.5		24.6
1	SW-SAND (FILL), with gravel, blacktop fragments, low density, medium sand, dark gray, low moisture		BACKFILLED WITH			-		0.0
5	CL-CLAY (FILL), high density, high plasticity, dark gray, low moisture		BENTONITE CHIPS	2GP		2.1		0.0
3	SW-SAND (FILL), with gravel/blacktop fragments, low density, medium sand, dark gray, low moisture, increasing silt with depth - 0.2' wood fragments at 6.0ft BGS			20		2.1		0.0
0								9.9
12				3GP		0.8		
4								22.
6				4GP		2.3		13.
18								3.7
20	SW-SAND (native), with gravel/rock fragments, low density, medium sand, tan	20.20		20-22'\ JT-043/ JT-044				0.0
22	- high moisture at 22.5ft BGS			5G₽		2.5		0.0
24								0.0
26				6GP				0.0
28		30.00						0.0
30	END OF BOREHOLE @ 30.0ft BGS	30.00						
32	Temporary well screened from 23.0 to 27.0ft BGS. Screen removed and backfilled on June 25, 2013.							
34	Depth: 22-24ft BGS Sudan IV test results: negative							
36	PID Headspace (ppm): 0							
38								
<u>1</u>	NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; WATER FOUND $\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	REFER TO C	CURRENT ELEVATION TABLE					



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH79-13

DEPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH	BORE	HOLF		ı	SAME	PLE	
ft BGS		ft BGS	JONE.		NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
-2 -4 -6 -8 -10 -12 -14 -16 -18 -20 _	SW-SAND (FILL), loose, fine sand, well graded, black, dry SP-SAND (FILL), loose, fine sand, little-some medium sand, poorly graded, black, dry - red-orange dust in sample at 2.5ft BGS - tan sand 0.5" thick at 4.9ft BGS - red brick at 6.5ft BGS - peach sand/wood fragments at 10.1ft BGS	1.70		— BACKFILLED WITH BENTONITE CHIPS	10 (46 66 66 66 66 66 66 66 66 66 66 66 66 6	F _N	4.0	, N.	11.2 36 88.4 61.7 11.1 3.7 2.4 2.1 2.0
- 22 - 24 - 26	SW/GW SAND/GRAVEL (native), loose, medium-coarse sand, fine gravel, well graded, brown/gray, dry - wet at 23.0ft BGS	22.50	abla		(21-23 (30-25) 50P		2.8		0.8 2.1 1.8
-28	SW-SAND (native), loose, medium and coarse sand, little fine gravel, well graded, gray, wet END OF BOREHOLE @ 30.0ft BGS	28.50 30.00			6GP		3.0		0.0
- 32 - 34 - 36	Temporary well screened from 24.0 to 28.0ft BGS. Screen removed and backfilled on June 26, 2013. Depth: 23-25ft BGS Sudan IV test results: negative PID Headspace (ppm): 2.1								



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH80-13

DATE COMPLETED: June 24, 2013
DRILLING METHOD: GEOPROBE
FIELD PERSONNEL: S. MELECOSKY

EPTH t BGS	STRATIGRAPHIC DESCRIPTION & REMARKS		DEPTH ft BGS	BORE	HOLE			SAMI		_
1000			11 1100			NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	SP-SAND (FILL), with few gravel, compact, fine sand, black, moist									0.0
2						1GP		4.1		0.0
5					— BACKFILLED WITH BENTONITE			-		0.0
3					BENTONITE CHIPS	2GP		1.8		0.0
10								_		0.0
12										0.0
14	- 0.3' red brick fragments at 13.5ft BGS					3GP		2.0		0.0
16								-		0.0
18						4GP		2.5		0.0
20										0.0
22										0.0
						5GP 22.5-24.5 SM-042/		4.1		0.0
24	 loose, with fine gravel, fine to medium sand, gray, moist at 24.0ft BGS wet at 24.5ft BGS 			¥		Silva				0.0
26						6G₽				0.0
28	- fine sand at 28.5ft BGS									0.0
30	END OF BOREHOLE @ 30.0ft BGS	<u> </u>	30.00	(48/48/48)				-		
32	Temporary well screened from 25.5 to 29.5ft BGS. Screen removed and backfilled on June 25, 2013.									
34	Depth: 24.5-26.5ft BGS Sudan IV test results: negative									
36	PID Headspace (ppm): 0									
38										
<u>N</u>	OTES: MEASURING POINT ELEVATIONS MAY CHA WATER FOUND	NGE; RE	EFER TO C	URRENT ELEVA	TION TABLE					



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH81-13

DEPTH	STRATIGRAPHIC DESCRIPTION & REMARKS		DEPTH	BOREH	HOLE			SAMI	PLE .	
ft BGS			ft BGS	BOILE		NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
-2 -	SW-SAND (FILL), loose, fine-coarse sand, well graded, brown, dry ML-SANDY SILT (FILL), cohesive, brown, dry SW-SAND (FILL), loose, trace gravel, fine-coarse sand, well graded, brown, dry		2.00 2.80			1GP		3.4		4.4
8	- wood pieces at 6.0ft BGS SP-SAND (FILL), loose, fine sand, little medium sand, poorly graded, black, dry		7.00		— BACKFILLED WITH BENTONITE CHIPS	2GP		3.2		18.2 25.5 7.9
10 12 14	- rock at 9.9ft BGS					3GP		2.3		22.6 8.4
16	- perched water at 17.5ft BGS					(15-17 JC-070) 4GP		3.0		126. 16.2
20 –	- rock at 19.8ft BGS SW-SAND (native), loose, medium-coarse sand, little fine sand, loose, fine gravel, dry		20.00	7		5GP 22-24 JC-071		3.6		9.1 26.3
24 26 28	- water table/wet, black at 24.0ft BGS		28 80	*		6GP		3.0		76.6 54.2
30	SW-SAND (native), loose, medium and coarse sand, well graded, brown, wet END OF BOREHOLE @ 30.0ft BGS		30.00					_		5.3
32 34 36	Temporary well screened from 25.0 to 29.0ft BGS. Screen removed and backfilled on June 27, 2013. Depth: 24-26ft BGS Sudan IV test results: negative PID Headspace (ppm): 76.6									
38 <u>N</u>	IOTES: MEASURING POINT ELEVATIONS MAY CHAN	NGE; RE	EFER TO C	CURRENT ELEVA	TION TABLE					



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH82-13

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS		DEPTH ft BGS	BOREHOLE				SAMI		
11 803			11 863			NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
-2	SW-SAND (FILL), trace silt, fine grained, consolidated, well graded, black to dark gray, dry			RACK	FILLED	1GP		2.0		0.0
-8				WITH	ONITE	2GP		2.0		1.3 8.2
12						3GP		2.4		2.6
16						4GP		3.0		0.9
20						(19-21'\ JC-039)		_		1.2
22	- wet at 21.0ft BGS ML-SILT (FILL), compact, light gray, wet		22.50 23.00	¥		5GP		4.3		0.0
24	SW-SAND (FILL), loose, medium to coarse sand, little fine sand, well graded, black, wet SW-SAND (FILL), loose, fine to medium sand,		25.00							0.0
26	well graded, black, wet SW-SAND (FILL), loose, medium to coarse sand, well graded, black, wet		26.80			6GP		3.5		0.0
30	SW/GW-SAND/GRAVEL (FILL), loose, medium to coarse sand, fine gravel END OF BOREHOLE @ 30.0ft BGS		29.00 30.00					-		0.0
32	Temporary well screened from 22.0 to 26.0ft BGS. Screen removed and backfilled on June 25. 2013.									
34	Depth:21-23ft BGS Sudan IV test results: negative PID Headspace (ppm): 0									
-38	, 15 певизрабе (ррпп). О									
<u>N</u>	OTES: MEASURING POINT ELEVATIONS MAY CHAP	NGE; RE	EFER TO C	CURRENT ELEVATION TA	ABLE	1	l			



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH83-13

DATE COMPLETED: June 24, 2013
DRILLING METHOD: GEOPROBE
FIELD PERSONNEL: S. MELECOSKY

DEPTH	STRATIGRAPHIC DESCRIPTION & REMARKS		DEPTH	BORE	HOLE			SAMI	PLE	
ft BGS			ft BGS			NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
-2	SP-SAND (FILL), trace gravel, compact, fine sand, brown, moist - slight odor, black at 2.6ft BGS					1GP		3.8		0.0 42.5
-6	- brown/black at 4.6ft BGS				— BACKFILLED WITH BENTONITE CHIPS	5-7.5° SM-030 2GP		3.1		0.0
-10										0.0
-12						3GP		2.9		0.0
·14 ·16								-		0.0
18	SP/GP-SAND AND GRAVEL (native), loose, medium and coarse sand, few fines	- 0	18.20			4GP		2.8		0.0
20	medium and coarse sand, few lines	。 () 0				20.2-22.2 \SM-041/				0.0
22	- wet at 22.4ft BGS	。 C		₽		5GP		3.2		0.0
26	- SP - SAND (native), loose, fine sand at 26.0ft BGS	0 0								0.0
30		° C	30.00			6GP		3.8		0.0
32	END OF BOREHOLE @ 30.0ft BGS Temporary well screened from 23.2 to 27.2ft BGS. Screen removed and backfilled on June 25, 2013.									
36	Depth:22.4-24.4ft BGS Sudan IV test results: negative PID Headspace (ppm): 0									
38										
<u>N</u>	NOTES: MEASURING POINT ELEVATIONS MAY CHAT WATER FOUND $\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	NGE; RE	FER TO C	CURRENT ELEVA	TION TABLE	•		•		



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH84-13

DATE COMPLETED: June 26, 2013
DRILLING METHOD: GEOPROBE
FIELD PERSONNEL: J. TEEPEN

EPTH BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE			SAM		
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	ASPHALT	0.20						98.4
2	SW-SAND (FILL), trace gravel/rock fragments, low density, tan, low moisture CL-CLAY (FILL), trace silt/sand, high density,	1.50		1GP		3.8		
1	medium plasticity, dark gray, low moisture ML-SILT (FILL), with sand & gravel, medium			2-4' JT-048				10.8
5	density, gray, low moisture	6.20	BACKFILLED WITH BENTONITE)				48.
3	SW-SAND (FILL), trace gravel/rock fragments, low density, tan, low moisture	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	CHIPS	2GP		2.5		28.4
10		10.00						14.5
	SP-SAND (FILL), fine/medium grained, dark gray/black	11.00						12.3
12	SW-SAND (native), with gravel/rock fragements, low density, medium sand, tan, low moisture -perched water, 0.8' thick at 11ft BGS			3GP		2.3		0.0
4	-perched water, 0.0 tinck at 1 Ht BGS							3.6
16				4GP		3.4		0.0
18		* 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0						0.0
20	- water table at 21.0ft BGS		V V	(19-21') JT-049)				0.0
22				5GP		2.8		0.0
24								0.0
26				6GP		2.5		0.0
28				WF		2.0		0.0
80								0.0
32	CL-SILTY CLAY, trace gravel, high density, medium plasticity, gray/brown, high moisture	31.50		7GP		3.8		0.0
34	SW-SAND (native), with gravel/rock fragments, low density, medium sand, tan, low moisture							0.0
86		36.75						
38	CL-SILTY CLAY, trace gravel, high density, medium plasticity, gray/brown, high moisture			8G₽		4.2		0.0



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH84-13

DATE COMPLETED: June 26, 2013
DRILLING METHOD: GEOPROBE
FIELD PERSONNEL: J. TEEPEN

DEPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	DI	EPTH	BOREHOLE			SAM	PLE	
t BGS		ν///	BGS	\(\(\)\(\)\(\)\(\)\(\)	NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
40							_		0.0
42					9GP		4.3		0.0
14							-		0.0
16 18	SW-SAND (native), with gravel/rock fragments,	47	7.75		10GP		4.1		0.0
50	low density, medium sand, tan, low moisture						-		0.0
52					11GP		2.5		0.0
54					1101		2.0		0.0
56							-		0.0
58					12GP		2.5		0.0
60	END OF BOREHOLE @ 60.0ft BGS	60	0.00	<i>(HIHIH</i>)			-		
52	Temporary well screened from 22.0 to 26.0ft BGS. Screen removed and backfilled on June 26, 2013.								
64	Depth:11-11.8ft BGS Sudan IV test results: negative								
66 88	PID Headspace (ppm): 12.3 Depth:21-23ft BGS								
70	Sudan IV test results: negative PID Headspace (ppm): 0								
72									
74									
76									
<u> </u>	NOTES: MEASURING POINT ELEVATIONS MAY CHANG WATER FOUND CHEMICAL ANALYSIS	GE; REFE	ER TO C	URRENT ELEVATION TABLE					



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH85-13

DEPTH	STRATIGRAPHIC DESCRIPTION & REMARKS		DEPTH	BORE	HOLE			SAMI		
ft BGS			ft BGS			NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	SW-SAND (FILL), loose, fine, medium and coarse sand, well graded, gray, dry	****	1.00							0.0
- 2	SP-SAND (FILL), loose, fine grained, little medium sand, poorly graded, black, dry - 1" coarse sand at 2.5ft BGS - fine gravel pieces at 2.7ft BGS - increase in silt content at 3.0ft BGS			-	— BACKFILLED	1GP		4.0		0.0
8					WITH BENTONITE CHIPS	2GP 8-10° JC-040)		2.5		18.2
10	- fine gravel at 10.8ft BGS - nail at 11.0ft BGS									83.1
12	- white gravel, possible concrete at 12.0ft BGS					3GP		2.5		27.2
16								_		0.0
18	SW-SAND (FILL), some silt, trace fine gravel, fine, medium and coarse sand, compact		17.00			4GP		2.5		0.0
20	- cleaner sand, trace silt from 20.1 to 20.5ft BGS					(18-20°) JC-051)		_		0.0
22	- wet at 22.5ft BGS		22.80			5GP		2.5		0.0
24	SP-SAND (FILL), loose, fine sand, poorly graded, black, wet									0.0
26						6G₽		2.7		0.0
28										0.0
30	- rock fragments from 31.0 to 40.5ft BGS					7GP		3.0		3.2
34								-		
36 38						8GP		3.2		1.4



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH85-13

EPTH	STRATIGRAPHIC DESCRIPTION & REMARKS		PTH	BOREHOLE			SAME	PLE	
BGS	STRATIGINATIIC DESCRIPTION & REMARKS	ft B	sgs	BONEFIOLE	NUMBER	NTERVAL	REC (ft)	N' VALUE	PID (ppm)
10	ML-SILT (native), trace fine sand, compact, black, moist	39.0	0					-	
12	SW/GW-SAND/GRAVEL (native), loose, medium to coarse sand, fine gravel, brown, wet	40.5	0		9GP		3.3		0.0
46 48		\$ 48.5	.0		10GP		3.2		0.0
50	CL-CLAY, cohesive, low plasticity, brown, dry SP-SAND (native), loose, medium sand, trace fine sand, poorly graded - gravelly sand at 51.0ft BGS	49.3	0				-		
52	CL-CLAY, trace coarse sand and gravel, cohesive, low plasticity	52.0	0		11GP		3.0		0.0
56	SW-SAND (native), loose, little to some fine gravel, medium to coarse sand, trace fine sand, well graded, brown, wet	55.0	0		12GP		3.3		0.0
80 -	END OF BOREHOLE @ 60.0ft BGS	60.0	0						
52	Temporary well screened from 23.5 to 27.5ft BGS. Screen removed and backfilled on June 26, 2013.								
66	Depth: 12-13ft BGS Sudan IV test results: negative PID Headspace (ppm): 2								
68	Depth: 22.5-24.5ft BGS Sudan IV test results: negative PID Headspace (ppm): 0								
70	Depth: 50-52ft BGS Sudan IV test results: negative PID Headspace (ppm): 0								
'4	Depth: 55-57ft BGS Sudan IV test results: negative PID Headspace (ppm): 0								
76									
 <u>NC</u>	DTES: MEASURING POINT ELEVATIONS MAY CHAN	 NGE; REFER	TO C	URRENT ELEVATION TABL	E		<u> </u>		



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH86-13

-2 gr -4 -6 -3 -8 gr -10 -12 -14 -16 -18 -19	SW-SAND (FILL), trace fine gravel, medium to oarse sand, trace to little fine sand, loose, well raded, dark gray, dry 2" sand, brown at 6.8ft BGS SP-SAND (FILL), trace silt, medium sand, race fine sand, slightly consolidated, poorly raded, dark brown/dark gray/black, dry wood fragments at 9.0ft BGS	7.00	BACKFILLED WITH BENTONITE CHIPS	1GP 2GP	INTERVAL	3.2 3.2	'N' VALUE	0.0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0
2 gr 4 6 8 Sr 10 12 14 16 18 20	oarse sand, trace to little fine sand, loose, well raded, dark gray, dry 2" sand, brown at 6.8ft BGS SP-SAND (FILL), trace silt, medium sand, race fine sand, slightly consolidated, poorly raded, dark brown/dark gray/black, dry wood fragments at 9.0ft BGS	7.00	WITH BENTONITE	2GP		3.1		0.0 0.0 0.0 25.
6 -: Si tr: gri 10 -: 112 -: 14 -: 16 -: 18 -: 12 -: 12 -: 12 -: 14 -: 16 -: 18 -: 12 -: 12 -: 14 -: 16 -: 18 -: 12 -: 14 -: 16 -: 18 -: 12 -: 14 -: 16 -: 18 -: 1	SP-SAND (FILL), trace silt, medium sand, ace fine sand, slightly consolidated, poorly raded, dark brown/dark gray/black, dry wood fragments at 9.0ft BGS	7.00	WITH BENTONITE			-		0.0 25. 0.0
8 Sign of the strength of the	SP-SAND (FILL), trace silt, medium sand, ace fine sand, slightly consolidated, poorly raded, dark brown/dark gray/black, dry wood fragments at 9.0ft BGS	7.00	WITH BENTONITE			-		0.0 25. 0.0
tr. gr 10 - 1 12 - 1 14 - 1 16 - 1 18 - 0	race fine sand, slightly consolidated, poorly raded, dark brown/dark gray/black, dry wood fragments at 9.0ft BGS					-		25 0.
10 12 14 16 18 - 0				3GP		3.2		0.0
14 16 18 20	light brown at 15.5ft BGS			3GP		3.2		
16 - 1 18 - 0 20	light brown at 15.5ft BGS							0.
18 - (-		0. 51
20				4GP		2.5		İ
	coarse gravel (rock) at 18.5ft BGS							5.
22 sa	SW-SAND (native), loose, medium to coarse and, well graded, light gray, dry	20.90		5GP		2.1		0.0
24	wet at 24.5ft BGS		Ţ	22.5-24.5 \JC-038				0.
26								0.0
28		00.20		6GP		1.6		0.0
ta ta	M-SAND/SILT (native), cohesive, compact, an/yellow, moist ND OF BOREHOLE @ 30.0ft BGS	29.30 30.00						ĺ
32 To Bo	emporary well screened from 25.5 to 29.5ft BGS. Screen removed and backfilled on June							1
D	4, 2013. Depth: 24.5-26.5ft BGS							İ
P	Sudan IV test results: negative PID Headspace (ppm): 0							
38								



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH87-13

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE			SAMI		
. 200				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	SW-SAND (FILL), loose, fine, medium and coarse sand, well graded, brown, dry	0.50						0.0
2	ML-CLAYEY SANDY SILT (FILL), trace coarse sand to fine gravel, cohesive, brown, dry			1GP		3.5		0.0
5 3	SW-SILTY SAND (FILL), loose, fine to	7.20	BACKFILLED WITH BENTONITE CHIPS	2GP		3.4		1.1 22.3
	medium sand, well graded, black, dry	°						
10	- little to some coarse sand at 11.0ft BGS							13.4 0.0
12	- intile to some coarse sand at 11.01t bgs			3GP		2.7		0.0
14						-		0.0
16				4GP		3.0		0.0
18	 	• •		18-20'\ JC-058/ JC-059				0.0
20		•		3.00		-		0.0
22	- wet at 22.0ft BGS		V W	5GP		3.5		0.0
24	- sand, brown, wet from 23.5 to 24.5ft BGS - black at 24.5ft BGS					-		0.9
26								0.0
28	- coarse sand, little fine to medium sand at			6GP		1.5		0.0
30	- coarse sand, little fine to medium sand at 29.7ft BGS SW/GW-SAND/GRAVEL (native), loose, medium to coarse sand, fine gravel, brown/tan,	30.00 : : :				1		
32 34	medium to coarse sand, fine graver, prown/tan, wet			7GP		3.0		0.0
	 • • • • • • • • • • • • • • • • • •					-		
36	ု ိုင္ ့ ို (() () () () () () () () () (8GP		3.0		0.0



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH87-13

DEPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH	BOREHOLE			SAM	PLE	
ft BGS	STIVATIONAL TITO DESCRIPTION & NEWARING	ft BGS	BONEROLL	NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
40 42 44 46		<u>؆؞ٷؠ؞؞؈؞ۅ؈؞ۅ؈؞ؖ</u>		9GP		2.5		0.0
48	- rock at 47.0ft BGS			10GP		2.5		0.0
50	- REFUSAL at 50.0ft BGS END OF BOREHOLE @ 50.0ft BGS Temporary well screened from 23.0 to 27.0ft BGS. Screen removed and backfilled on June	50.00				_		
54 56	27, 2013. Depth: 22-24ft BGS Sudan IV test results: negative PID Headspace (ppm): 0							
58 60	Tib Tieddspace (ppiii). C							
62								
64 66								
68								
70								
74								
76								
<u>NC</u>	OTES: MEASURING POINT ELEVATIONS MAY CHANGE; WATER FOUND CHEMICAL ANALYSIS	REFER TO C	CURRENT ELEVATION TABL	Ε				



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH88-13

ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BORE	HOLE	~		SAM		
					NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
2	SP-SAND (FILL), loose, medium sand, trace fine sand, poorly graded, dark gray/black, trace orange sand dust comingled				1GP		4.0		0.0
8	- 2" coarse white sand at 8.0ft BGS	9.00		— BACKFILLED WITH BENTONITE CHIPS	2GP		4.5		0.e 7.e
10	SW-SAND (FILL), loose, medium to coarse sand, trace fine sand, well graded, black								41. 13.
14	- black sand, moisture, slight sheen, light odor at 12.5ft BGS SP-SAND (FILL), trace silt, loose, fine sand, little medium sand, poorly graded, black, moist	14.70			3GP		2.5		11 5.
18					4GP (18-20) (18-20) (18-20)		3.0		8.8
20	SP-SAND (FILL), loose, medium sand, poorly graded, black, moist	19.80	7				-		5.4 4.3
22	- wet at 22.0ft BGS		*		5GP		3.0		4.



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH88-13

EPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH	BOREHOLE			SAMI	PLE	
t BGS	CHATTER DESCRIPTION OF A TALLWARD	ft BGS	BONEHOLL	NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
26	SW-SAND (native), trace fine gravel, loose, fine, medium and coarse sand, well graded, gray, wet, slight odor - 2 pieces of coarse gravel at 25.3ft BGS	25.30						3.1
28	SP-SAND (native), trace silt, fine sand, consolidated, poorly graded, orange staining, wet, slight odor	27.30		6GP		4.0		0.5
30	END OF BOREHOLE @ 30.0ft BGS	30.00				-		0.5
32	Temporary well screened from 23.0 to 27.0ft BGS. Screen removed and backfilled on June 24, 2013.							
34	Depth: 12.5-13ft BGS Sudan IV test results: positive PID Headspace (ppm): 11.2							
36	Depth: 22-24ft BGS Sudan IV test results: slight positive PID Headspace (ppm): 4.5							
38								
30								
40								
42								
44								
46								
48								
<u>NC</u>	DTES: MEASURING POINT ELEVATIONS MAY CHANGE WATER FOUND	E; REFER TO C	URRENT ELEVATION TABL	E				



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH89-13

DATE COMPLETED: June 24, 2013
DRILLING METHOD: GEOPROBE
FIELD PERSONNEL: S. MELECOSKY

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BORE	HOLE			SAM		
					NUMBER	INTERVAL	REC (ft)	'N' VALUE	Old (man)
	SP-SAND (FILL), and silt, trace gravel, loose, brown to gray, moist								0.0
2	5 <i>7</i> .				1GP		3.1		0.
4									
6				- BACKFILLED WITH BENTONITE			-		0.
8	- brown at 7.5ft BGS			CHIPS	2GP		3.3		0.
10									0.
									0.
12					3GP		1.4		0.
14									0.
16					4GP		2.2		0.
18	- trace gravel, few silt, compact, fine to medium				(18-20°) SM-029/				_
20	sand, brown, moist at 19.2ft BGS - wet at 19.8ft BGS - with gravel, trace silt, loose, fine to medium sand at 20.0ft BGS		¥				-		
22	sand at 20.0ft BGS				5GP		0.0		0.
24									0.
26									0.
28					6GP		1.4		0.
30							-		
32	CL-CLAY, trace silt and sand, firm, low plasticity, gray, moist	32.20			7GP		3.2		0.
34									0.
36					8GP		4.3		0.
38									



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH89-13

DATE COMPLETED: June 24, 2013
DRILLING METHOD: GEOPROBE
FIELD PERSONNEL: S. MELECOSKY

EPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH	BOREHOLE			SAMI	PLE	
BGS	STIATIONALIIO DESCRIPTION & REMARKS	ft BGS	BONEFICE	NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
					_ ≤		-	0.0
10	END OF BOREHOLE @ 40.0ft BGS	40.00						
42	Temporary well screened from 20.8 to 24.8ft BGS. Screen removed and backfilled on June 24, 2013.							
14	Depth: 30.2-32.2ft BGS							
46	Sudan IV test results: negative PID Headspace (ppm): 0							
48								
50								
52								
54								
56								
58								
60								
62								
64								
66								
58								
70								
72								
74								
· · T								
76								



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH90-13

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE	K.	'AL	SAMI E E		
				NUMBER	INTERVAL	REC (f	'N' VALUE	PID (pom)
	SM-SAND/SILT (FILL), little fine gravel, compact, fine grained sand, brown, dry							1.9
2	- red clay brick dust at 2.0ft BGS - concrete dust at 2.7ft BGS			1GP		4.4		1.3
4	- red clay brick dust at 4.5ft BGS		■ BACKFILLED					0.0
6	- concrete dust/gravel 4" long at 6.0ft BGS		WITH BENTONITE CHIPS	2GP		3.3		0.0
8								0.0
10								0.0
12				3GP		2.0		0.0
14	SP-SAND (FILL), loose, medium grained, trace fine sand, poorly graded, black, wet	14.00				-		0.0
16	perched water in black medium sand			4GP		3.8		0.0
18	laminated cardboard trash	18.50		,3				0.0
20								0.0
22				5GP		3.2		0.0
24	ML-SILT (FILL), trace clay, compact, black, damp	23.80						0.0
26	SM-SILT/SAND (FILL), compact, fine sand, well graded, black, damp SW-SAND (FILL), trace silt, fine and medium	24.90						0.0
28	sand, well graded, black, moist, - fine gravel/brown 1" thick at 26.0ft BGS - metal pieces/wood 3" thick at 27.0ft BGS SM-SAND/SILT (FILL), compact, fine-medium	28.00		6GP 26.5-28.5 JC-088		2.6		0.0
30	sand, black, moist	30.00						
32	SP-SAND (FILL), loose, fine sand, little medium sand, poorly graded, gray, wet			7GP		3.6		0
34	SW-SAND (FILL), trace fine gravel, loose,	35.00	Ţ					
36	SW-SAND (FILL), trace fine gravel, loose, medium-coarse-fine sand, well graded, black, wet			8GP		3.0		1.4
	NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; WATER FOUND	∷ REFER TO C	CURRENT ELEVATION TABLE					



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH90-13

DEPTH	STRATIGRAPHIC DESCRIPTION & REMARKS		DEPTH	BOREHOLE			SAMI	PLE	
ft BGS	STRATIONAL FILE DESCRIPTION & REMARKS		ft BGS	BONEROLL	NUMBER	INTERVAL	REC (ft)	N' VALUE	PID (ppm)
	CL-CLAY, silty, cohesive, little coarse sand, gray/brown, damp SW-SAND (native), loose, trace fine gravel, medium-coarse sand, trace fine sand, brown, wet		39.80		9GP		5.0		0.0
			50.00		10GP		3.8		0.0
- - - - - 52	END OF BOREHOLE @ 50.0ft BGS Temporary well screened from 29.5 to 33.5ft BGS. Screen removed and backfilled on July 9, 2013.								
- 	Depth: 14-15ft BGS Sudan IV test results: negative PID Headspace (ppm): 0								
- 58 - 58 	Depth: 28.5-30.5ft BGS Sudan IV test results: negative PID Headspace (ppm): 0								
- -60 - - - -62	Depth: 38.5-40.5ft BGS Sudan IV test results: negative PID Headspace (ppm): 1.4,0								
-64									
- 66 									
-68 -70									
-72									
-74 -74 76									
	DTES: MEASURING POINT ELEVATIONS MAY CHAN	NGE; RE	FER TO C	URRENT ELEVATION TABL	E E				



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH91-13

2					1 12	_			
					NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	SW/GW-SAND/GRAVEL (FILL), loose, medium to coarse sand, fine gravel, well graded, brown, dry								0.0
4	SM-SAND/SILT (FILL), little fine gravel, compact, fine sand, well graded, brown, dry		2.00		1GP		3.0		0.0
				■ BACKFILLED WITH			-		0.0
6	- rock pieces at 7.0ft BGS			BENTONITE CHIPS	2GP		3.5		0.0
3	- rock pieces at 8.0ft BGS				20		0.0		0.0
10	SW-SILTY SAND (FILL), compact, fine to		10.80						0.0
12	medium sand,dark gray				3GP		2.0		0.0
14							-		0.0
16	- wood pieces at 16.0ft BGS	****	17.00						0.0
18	ML-SILT (FILL), compact, dark gray to black SW-SILTY SAND (FILL), compact, fine to medium sand, dark gray		17.70		4GP		2.5		0.6
20	laminated felt-like material, green		20.20				-		0.0
22	- silt layer from 22.7 to 23.2ft BGS				5GP		3.0		0.0
24	SP-SAND (FILL), loose, fine sand, trace medium sand, poorly graded, black, dry		24.00		(23-25°) JC-072)		-		0.0
26	- wet at 26.0ft BGS			¥	6GP		3.0		0.0
30	- rock pieces at 29.5ft BGS						0.0		0.0
32					7GP		4.0		0.0
34	SW-SAND (native), loose, medium to coarse	0000	35.00				-		
36	sand, little fine sand, well graded, brown, wet				8GP		3.5		
NOTI	ES: MEASURING POINT ELEVATIONS MAY CHA								



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH91-13

DEPTH	STRATIGRAPHIC DESCRIPTION & REMARKS		DEPTH	BOREHOLE	SAMPLE				
ft BGS			ft BGS	50,72,7022	NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	- black staining from 39.5 to 39.7ft BGS	****	39.70						8.2
40	CL-CLAY, trace coarse sand, cohesive, low plasticity, yellow/brown, dry		39.70						0.2
42					9GP		2.8		
14			45.00						
46	END OF BOREHOLE @ 45.0ft BGS		45.00						
48	Temporary well screened from 27.0 to 31.0ft BGS. Screen removed and backfilled on June 28, 2013.								
50	Depth: 26-28ft BGS Sudan IV test results: negative PID Headspace (ppm): 0								
52	Depth: 37.7-39.7ft BGS								
54	Sudan IV test results: positive PID Headspace (ppm): 8.2								
56									
58									
60									
62									
64									
66									
88									
70									
72									
74									
76									
<u>N</u>	OTES: MEASURING POINT ELEVATIONS MAY CHAI	NGE; RE	FER TO C	CURRENT ELEVATION TABLE	<u> </u> =	<u> </u>			
	WATER FOUND ♀								



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH92-13

EPTH BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	ML-SANDY SILT (FILL), compact, fine sand, trace medium to coarse sand, brown, dry							0.0
2	- CONCRETE ROCK at 2.7ft BGS	2.70		1GP		4.0		0.0
4	ML-SILT (FILL), compact, brown, moist, clean SW-SAND (FILL), trace fine gravel, medium to coarse sand, well graded, brown to dark brown,	4.20 5.00	■ BACKFILLED			-		0.0
6	CL-SILTY/SANDY CLAY (FILL), trace coarse sand and fine gravel, cohesive, fine sand,	6.00	WITH BENTONITE CHIPS	2GP		3.5		0.0
3	CONCRETE ROCK/FRAGMENTS - silty clay in concrete pieces at 8.0ft BGS							0.0
10	SW-SILTY SAND (FILL), little fine gravel, loose, fine, medium and coarse sand, well graded	10.00				-		0.0
12	- concrete pieces at 11.5ft BGS			3GP		2.4		0.0
14	- perched water from 15.5 to 17.0ft BGS					-		0.0
18	ML-SANDY SILT (FILL), compact, fine sand, dark gray to black, moist to damp	16.80		4GP		2.7		1
20				18.8-20.8 (JC-090/) JC-089				0.0
	- rock at 20.8ft BGS	20.80		3.2009				1.3
22	SW-SAND (FILL), loose, fine, medium and coarse sand, well graded, black, wet			5GP		3.2		0.0
24 26						_		2.9
28				6GP		3.0		0.0
30		30.00						0.0
32	ML-SILT (FILL), trace medium sand, very soft, brown, wet SW/GW-SAND/GRAVEL (native), loose, medium to coarse sand, fine gravel, well graded, gray/brown, wet	30.50		7GP		2.5		0.0
34				805		3.5		0.0
38	ا ا			8GP		3.3		0.0



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH92-13

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE			SAMI		
		11 000		NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
40	CL-SILTY CLAY, little medium to coarse sand,	43.00		9GP		4.0		0.0
46	cohesive, low plasticity, gray/brown, damp SP-SILTY SAND (native), medium grained, little fine grained, poorly graded, wet SW-SILTY SAND (native), loose to slightly compact, fine, medium and coarse sand, well graded, brown, wet	44.20 45.00 46.00		10GP		4.0		0.0
50 <u> </u>	SW-SAND (native), loose, medium to coarse sand, well graded, brown, wet END OF BOREHOLE @ 50.0ft BGS Temporary well screened from 21.8 to 25.8ft	50.00				_		
54	BGS. Screen removed and backfilled on July 9, 2013. Depth: 15.5-17ft BGS Sudan IV test results: negative							
56 58	PID Headspace (ppm): 1 Depth: 20.8-22.8ft BGS Sudan IV test results: slight positive PID Headspace (ppm): 1.3							
62	Depth: 41-43ft BGS Sudan IV test results: negative PID Headspace (ppm): 1.4							
64 66	Depth: 44.2-46.2ft BGS Sudan IV test results: negative PID Headspace (ppm): 0							
68								
70								
72								
74								
76								
NC	DTES: MEASURING POINT ELEVATIONS MAY CHANGE; RE WATER FOUND	EFER TO C	URRENT ELEVATION TABLE					



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH93-13

DEPTH STRATIGRAPHIC DESCRIPTION	TION & REMARKS DEPT		BOREHOLE		SAMPLE			
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
SW/GW-SILTY SAND/GRAVEL (FIL medium and coarse sand, fine grave graded, brown, dry	L), fine,							0.0
CONCRETE RUBBLE		2.30 2.70		1GP		4.0		0.0
ML-CLAYEY SILT (FILL), little to sor gravel, coarse sand, compact, brown			■ BACKFILLE	D				0.0
6			WITH BENTONIT CHIPS	≣ 2GP		3.5		0.0
- 2" coarse sand at 9.5ft BGS				20		3.3		0.0
CONCRETE RUBBLE ML-CLAYEY SILT (FILL), little to sor	me fine	10.20 10.80						0.0
12 gravel, coarse sand, compact, brown				3GP		2.4		0.0
14				(13-15°) JC-073		-		0.0
16				4GP		1.9		0.0
- cobble, wet at 18.5ft BGS SW-SAND (FILL), trace fine gravel, l	loose, fine	18.50						0.0
to medium sand, trace coarse sand, graded, black, wet	well							0.0
22				5GP		3.0		0.0
24						_		0.0
26				6GP		2.0		0.0
- fine to coarse gravel at 29.5ft BGS								0.0
- glass pieces at 31.2ft BGS				7GP		2.2		0.0
SW-SAND (native), trace fine gravel fine to medium sand, trace coarse sagraded, black, wet		35.00		8GP		0.1		0.0



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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: BH93-13

DEPTH			DEPTH				SAMF	PLE	
ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS		ft BGS	BOREHOLE	ER	AL	£	.UE	(mc
					NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
40 	CL-CLAY, coarse sand		41.00		9GP		5.0		0.0
44 	SW-SAND (native), medium and coarse sand		45.00						
- -48 - - - -50	END OF BOREHOLE @ 50.0ft BGS		50.00		10GP		2.8		0.0
52 52 	Temporary well screened from 20.0 to 24.0ft BGS. Screen removed and backfilled on July 9, 2013.								
54 56 	Depth: 18.5-20.5ft BGS Sudan IV test results: negative PID Headspace (ppm): 0								
- - 58 - -	Depth: 39-41ft BGS Sudan IV test results: negative PID Headspace (ppm): 0								
60 62	Depth: 45-47ft BGS Sudan IV test results: negative PID Headspace (ppm): 0								
- - 									
—66 - -									
—68 - - -									
—70 - - -									
72 									
—74 - - - —76									
68 70 72 74 76 76									
<u>NO</u>	OTES: MEASURING POINT ELEVATIONS MAY CHANG WATER FOUND CHEMICAL ANALYSIS	GE; REF	ER TO C	URRENT ELEVATION TABLE					

ATTACHMENT A.2

PHASE 1A TEST PIT AND TEST TRENCH STRATIGRAPHIC AND INSTRUMENTATION LOGS

STRATIGRAPHIC AND INSTRUMENTATION LOG

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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: TT-25

DATE COMPLETED: June 18, 2013 DRILLING METHOD: EXCAVATOR FIELD PERSONNEL: G. LEWIS

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS		DEPTH ft BGS	TEST T	RENCH	SAMPLE				
						NUMBER	INTERVAL	PID (ppm		
	ROUND STONE FILL, sand/gravel		0.17				0.0 - 2.0	0.0		
4	SP-SAND, ash, black, dry		2.00				2.0 - 5.0	0.0		
5	SP-SAND, ash, black, moist		5.00		TEST TRENCH SPOILS & CRUSHED LIMESTONE		5.0 - 7.0	0.2		
8 10 12 14 16	- dark gray at 6.8ft BGS DIRT/GRAVEL MIX, with thin metal sheeting pieces, small pockets of white material, some flat pieces of metal have similarities to drum carcass sides, dark gray/brown, dry, cleaning agent odor - Single empty rusted drum carcass with open side encountered at 18ft BGS. - PID reading of drum interior ranged from 0.0 to 0.4 ppm, depending on wind conditions		7.00				7.0 - 18.0	0.3		
20 _	GP/SP-GRAVEL/SAND, 2" round stone, wet - Empty steel tank encountered at 20ft BGS, approx. same size as a drum. PID = 0.0 ppm.		20.00				18.0 - 20.0 20.0 20.0 - 21.0	0.1		
22	- 36" diameter carcass encountered between 20-21ft BGS, possible overpack - water entering excavation at 21.0ft BGS END OF TEST PIT @ 21.0ft BGS	1								

STRATIGRAPHIC AND INSTRUMENTATION LOG

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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: TT-26

DATE COMPLETED: June 18, 2013 DRILLING METHOD: EXCAVATOR FIELD PERSONNEL: G. LEWIS

EPTH	STRATIGRAPHIC DESCRIPTION & REMARKS		DEPTH	TEST TRENCH			SAMPLE				
t BGS			ft BGS			NUMBER	INTERVAL	PID (ppm			
2 4 6 8 10 12 14 16 18 20 22	GRAVEL/DIRT ROADBASE, light gray GP-GRAVEL, soil, with glass and metal debris (tire rings, leaf springs, etc.), dark, dry SP-SAND (bank run), 2" round stone, light brown, dry, clean - water entering excavation in clean material at 21.0ft BGS END OF TEST PIT @ 21.0ft BGS		13.00		TEST TRENCH SPOILS & CRUSHED LIMESTONE		0.0 - 0.7	0.0			

STRATIGRAPHIC AND INSTRUMENTATION LOG

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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: TT-27

DATE COMPLETED: June 19, 2013 DRILLING METHOD: EXCAVATOR FIELD PERSONNEL: G. LEWIS

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	TEST TRENCH		SAMPLE				
11 603		11 803		NUMBER	INTERVAL	PID (ppm			
2	FILL, sand and gravel, light gray FILL, fly ash-type material, mix with glass debris, dry	0.83			0.0 - 0.8	0.0			
6	- moist at 7.0ft BGS		TEST TRENCH SPOILS		0.8 - 7.0				
10		12.00			7.0 - 12.0				
12 -	SP/GP-SAND/GRAVEL (bank run), 2" round stone, dry	12.00			12.0 - 14.0				
16	- 4" thick concrete pad at 16.4ft BGS END OF TEST PIT @ 17.0ft BGS	17.00							
18	g								
20									
22									
24									

STRATIGRAPHIC AND INSTRUMENTATION LOG

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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: TT-28

DATE COMPLETED: June 20, 2013 DRILLING METHOD: EXCAVATOR FIELD PERSONNEL: G. LEWIS

DEPTH	STRATIGRAPHIC DESCRIPTION & REMARKS		DEPTH	TEST T	TEST TRENCH		SAMP		
t BGS		ft BGS					INTERVAL	PID (ppm	
2 4 6 8	FILL, sandy soil co-mingled with slag balls, with melted metal, brick/mortar block intermixed, black, dry - 2 empty drums carcasses were exposed 24.5' west of east stake at 9.0ft BGS			4	— TEST TRENCH SPOILS	NUMBER	7.0	2.7	
14	- 2 drums were exposed 9' west of east stake. Drums were excavated and contents were sampled (W-GL-001 and W-GL-002) at 13.0ft BGS						0.0 - 23.5	0.0	
18									
22	- Water at 23.5ft BGS		23.50						
24	END OF TEST PIT @ 23.5ft BGS								

STRATIGRAPHIC AND INSTRUMENTATION LOG

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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: TT-29

DATE COMPLETED: June 19, 2013 DRILLING METHOD: EXCAVATOR FIELD PERSONNEL: G. LEWIS

BGS	IGRAPHIC DESCRIPTION & REMARKS	ft BGS	12077	RENCH	NUMBER	INTERVAL	PID (ppm
FILL. dirt/s					≥		r ib (ppii
brown FILL, dirt v painted lin rebar, foal - 3' long s' direction - fly ash/fc 24' north 2 4 6 8 - Water at	grass, some wood pallet pieces, light with construction debris, asphalt with hes, parking chocks reinforced with m panels, dark brown steel "I"-beam encountered in same has test trench layout at 3.0ft BGS ass of parking chocks and rebar 21' south wall from 8.0 to 12.5ft BGS bundry sand in north end of trench, h of south wall from 9.5 to 19.6ft BGS TEST PIT @ 19.6ft BGS	0.50		— TEST TRENCH SPOILS	NN N	0.0 - 0.5	0.0

STRATIGRAPHIC AND INSTRUMENTATION LOG

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PROJECT NAME: SOUTH DAYTON DUMP AND LANDFILL SITE

PROJECT NUMBER: 038443-74-02

CLIENT: PRP GROUP LOCATION: MORAINE, OH HOLE DESIGNATION: TT-30

DATE COMPLETED: June 19, 2013 DRILLING METHOD: EXCAVATOR FIELD PERSONNEL: G. LEWIS

ft BGS STRATIGRAPHIC DESCRIPTION & REMARKS ft BGS TEST TRENCH TEST TRENCH SPOILS 0.0 - 14.0 10 12	SAMPLE				
trash (plastic, glass, metal), dark brown, dry TEST TRENCH SPOILS 0.0 - 14.0	PID (ppm				
14.00 FILL, sandy/foundry sand material, wads of geotextile material, black, moist, ash signature 16 - Water at 18.0ft BGS END OF TEST PIT @ 18.0ft BGS 20 22					